

# Standard Plan

## for Recycling Covered Electronic Products in Washington State

Submitted by



### **Washington Materials Management and Financing Authority**

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Program Year 2009

### **Plan submitted to:**

**Department of Ecology**

**Electronic Product Recycling Program**

*Solid Waste and Financial Assistance*

300 Desmond Drive

Lacey, Washington 98503

**Miles Kuntz**

*Electronic Product Recycling*

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## Plan Contributors

### Authority Board Members

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John Swiderski, Deer Park Computer Sales and Service – *Chairperson*

Mike Watson, Dell – *Vice Chairperson*

Mary Jacques, Lenovo – *Secretary*

Mike Moss, Samsung Electronics – *Treasurer*

Nick Ammann, Apple Computers – *At-Large*

Mark Dabek, Re-PC

Meggan Ehret, Thomson, Inc.

Talal El-Husseini, PC Systems & Services, Inc.

Erik F. Stromquist, CTL Corporation

David Thompson, Panasonic Corporation of North America

Stacey Ward, Wal-Mart Stores, Inc.

#### *Ex Officio Members*

Peter Lyon, Washington State Department of Ecology – prior to May 2008

Jay Shepard, Washington State Department of Ecology – as of May 2008

Susan St. Germain, Department of Community, Trade and Economic Development

*Other Ecology key personnel: Miles Kuntz and Margo Thompson*

### Staff Members and Consultants

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**John Friedrich, WMMFA Executive Director**

**Marion Silverthorne**, WMMFA Project Manager (December 2007-April 2008)

**Alcorn Consulting** – Walter Alcorn

**Cascadia Consulting Group** – Jessica Branom-Zwick, Marc Daudon, Peter Erickson,  
Matt Schoellhamer, and Christy Shelton

**Colehour+Cohen** – Julie Colehour and Suzette Riley

**Total Reclaim** – Susan Ernsdorff and Craig Lorch

**Van Ness Feldman P.C.** – Pamela Anderson, Tyson Kade, and Marlys Palumbo

**Zero Waste Alliance** – Carson Maxted

### External Reviewers

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Vicki Austin, Washington Refuse and Recycling Association

Dennis Durbin, Stevens County

Garth Hickie, Minnesota Pollution Control Agency

Jay Illingworth, Electronics Product Stewardship Canada

Sego Jackson, Snohomish County

Larry King, HP

Lisa Sepanski, King County

## **A. Binding Agreement**

This section provides a statement of compliance, responsibility, and liability for manufacturers participating in the Standard Plan, authorized by the Authority. It also includes a list of all manufacturers participating in the Standard Plan. In accordance with WAC 173-900-305, any manufacturer that is not participating in an independent plan approved by the Department of Ecology must participate in the Standard Plan.

As of January 1, 2008, more than 200 manufacturers of covered electronic products (televisions, laptop computers, desktop computers, and monitors) were registered with the Washington State Department of Ecology. Table A-1 in this section includes a list of these registered manufacturers with their contact information, as provided to the Department of Ecology during the manufacturer registration process. Because Ecology will continue to update its manufacturer registration list over time, the Department's version may include recent changes that are not reflected in the Authority's current Plan submission. The Authority plans to communicate regularly with Ecology in order to update its records in a timely manner.

### **A.1 Binding Agreement Document**

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The Binding Agreement document appears on the following pages.

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**WASHINGTON MATERIALS MANAGEMENT  
AND  
FINANCING AUTHORITY**

**BINDING AGREEMENT FOR THE STANDARD PLAN**

**Section 1. Purpose**

The Washington Materials Management and Financing Authority (the “Authority”) was formed to plan and implement a collection, transportation, and recycling program for Manufacturers participating in the Standard Plan. Accordingly, pursuant to WAC 173-900-320 and this Binding Agreement (“Agreement”), the Authority agrees to be bound to the use of the Standard Plan.

**Section 2. Definitions**

Unless otherwise defined herein, all capitalized terms have the meanings ascribed to them in WAC 173-900-030.

**Section 3. Compliance**

Pursuant to this Agreement, the Authority, and its participating Manufacturers as specified below, will comply with the terms and conditions of the Standard Plan, as approved by the Washington State Department of Ecology.

**Section 4. Manufacturer Responsibility**

In the event the Standard Plan fails to meet the Manufacturers’ obligations, as stated in WAC 173-900, each manufacturer retains responsibility and liability, including financial liability, for the collection, transportation, processing, and recycling of its Equivalent Share of Covered Electronic Products.

**Section 5. Contact Information**

The contact information for the person designated by the Board of the Authority is as follows:

John Friedrich, Executive Director  
Washington Materials Management and Financing Authority  
P.O. Box 779  
Woodland, Washington 98674  
Phone: (360) 225-6222  
E-mail address: [jfriedrick@wmmfa.net](mailto:jfriedrick@wmmfa.net) or [info@wmmfa.net](mailto:info@wmmfa.net)  
Website: [www.wmmfa.net](http://www.wmmfa.net)

**Section 6. Participating Manufacturers**

A list of all Manufacturers participating in the Standard Plan, manufacturer electronic product registration numbers, and the contact information of the responsible official is set forth in Exhibit A, attached hereto and incorporated by reference. This list may change over time. Interested parties should contact the Authority or refer to the Authority's website for information on obtaining the most current listing of manufacturers.

**Section 7. Approval**

This Agreement is executed by the person signing below, who warrants that he/she has the authority to execute the Agreement.

WASHINGTON MATERIALS MANAGEMENT AND FINANCING AUTHORITY



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Signature

---

John Friedrich

Name

---

Executive Director

Title

---

June 25, 2008

Date



## A.2 List of Manufacturers Participating in the Standard Plan

### EXHIBIT A

**Table A-1. List of Manufacturers Participating in the Standard Plan**

Company	EPR#	Responsible Official	Title	Location & Mail Address	City	ST	Zip	Phone	E-mail
3D Corporation	EPR00001	John Jaworski	CFO	2103 Grant St	Bellingham	WA	98225	(360) 671-4906	johnj@3dcorp.us
3M Touch Systems	EPR00184	Christine Swartz	Product Responsibility Liaison	300 Griffin Brook Park Drive	Methuen	MA	01844	(978) 659-9324	cswartz@mmm.com
4th Dimension Computer	EPR00002	Daniel Phillips	President	1027 4th Ave E	Olympia	WA	98506	(360) 357-5169 x17	drp@4dcomputers.com
A-1 Best Computer	EPR00003	Franklin Walter	Manager	8057 Lake City Way NE	Seattle	WA	98115	(206) 523-6627	support@a1bestcomputer.com
Abacus Office Machines	EPR00004	Dean Meakin	Owner/Partner	2928 N Nevada	Spokane	WA	99207	(509) 484-2222	dean@abacus-llc.com
ABS Computer Technologies Inc.	EPR00204	Albert Wang	BU Manager	18045 Rowland St	City of Industry	CA	91748	(626) 271-1580 x24801	albert.h.wang@abs.com
ACC Tech	EPR00005	Nick Frankie	Sales Manager	4021 100th St SW Ste B	Lakewood	WA	98499	(253) 474-5662	nfrankie@acc-tech.net
Acer America Corp.	EPR00006	Patrick Cox	Engineering Manager	333 West San Carlos St, Suite 500, 15th floor	San Jose	CA	95110	(408) 533-7700	patrick_cox@acer.com
Ag Neovo Technology Corp.	EPR00009	David Meng	Director of Sales	2362 Qume Dr. Suite A	San Jose	CA	95131	(408) 321-8210 x108	davidm@neovo-usa.com
Alden Associates Redmond	EPR00010	Talal El-Husseini	Director, Corp. Admin.	17735 NE 65th St	Redmond	WA	98052	(425) 882-1722	talal@denaliai.com
Alpine Computer Industries	EPR00384	James Le	Chief Executive Officer	PO BOX 141933	Spokane	WA	99214	(808) 927-5347	aicceo@aol.com
Alux, Inc.	EPR00263	Richard Chen	Vice President	5400 Carillon Point, Bldg 5000 - 4th Floor	Kirkland	WA	98033	(425) 398-1678 x101	alux.primacorp@gmail.com
America Action Inc.	EPR00011	Chris Ho	Environmental/Legal Affairs	100 Exchange Pl	Pomona	CA	91768	(909) 869-6600 x18	chrisho@axiontv.com

Company	EPR#	Responsible Official	Title	Location & Mail Address	City	ST	Zip	Phone	E-mail
Aopen America Inc.	EPR00238	Michael Hwu	Director, Technical Engineering	380 Fairview Way	Milpitas	CA	95035	(408) 586-1239	michael_hwu@aopen.com
Apex Digital Inc.	EPR00012	James C. Tran, Esq.	Environmental/Legal Affairs	301 Brea Canyon Rd	Walnut	CA	91789	(909) 348-5439	jtran@apexdigitalinc.com
APH USA, Inc.	EPR00013	Bert Jay		7801 Hayvenhurst Ave	Van Nuys	CA	91406	(818) 702-2227	recycle@aphusa.com
Apple, Inc.	EPR00014	Art Fichter	Recycling Manager	1 Infinite Loop	Cupertino	CA	95014	(408) 974-1808	afichter@apple.com
Astar Electronics	EPR00187	Jimmy Luo	President	5101 Commerce Dr	Baldwin Park	CA	91706	(626) 851-2528	info@astarelectronics.com
Asus Computer International	EPR00196	Godwin Yan	Senior Director of Operations	44370 Nobel Dr	Fremont	CA	94538	(510) 739-3777 x4519	godwin_yan@asus.com
AT&T Corporation	EPR00230	Wayne Alba	Safety Manager	10 Tara Boulevard	Nashua	NH	03062	(603) 897-2329	wayne.alba@att.com
Atico International USA, Inc.	EPR00381	Sherry Thompson	Vice President	501 South Andrews Avenue	Fort Lauderdale	FL	33301	(954) 779-2900	aticousa@aticousa.com
Audiovox Corp. c/o Levy Stopol & Camelo	EPR00015	Paul A. Juergensen	Legal Assistant	1425 Reckson Plaza	Uniondale	NY	11556	(516) 622-1458	pjuergensen@levystopol.com
Averatec Inc.	EPR00016	Darren Lee	Director Marketing	1231 E Dyer Rd Ste 150	Santa Ana	CA	92705	(714) 429-8914	dlee@averatec.com
Aydin Displays	EPR00017	Keith Sergas	Manufacturing Manager	1 Riga Lane	Birdshore	PA	19540	(610) 404-7400 x5355	ksergas@aydindisplays.com
Behavior Tech Computer Corp.	EPR00274	Debra Juan	OBM Sales	4180 Business Center Dr	Fremont	CA	94538	(510) 657-3956 x306	debra@btcusa.com
BenQ America Corp.	EPR00020	Kevin Yang	RMA Director	53 Discovery	Irvine	CA	92618	(949) 255-9590	kevin.yang@BenQ.com
Best Buy	EPR00021	Tim Dunn	Compliance Manager	7601 Penn Ave S, Bldg B-6	Richfield	MN	55423	(612) 291-3406	timothy.dunn@bestbuy.com
Broksonic c/o Hatzlachh Supply Inc	EPR00023	Jesse Broker	President	935 Broadway, 6th Floor	New York	NY	10010	(212) 254-9012	
Brother International Corporation	EPR00234	Henry J. J. Sacco, Jr.	Vice President and Chief Legal Officer	100 Somerset Corporate Blvd	Bridgewater	NJ	08807	(908) 252-3029	henry.sacco@brother.com
Casio Inc.	EPR00024	Robert A. Shapiro	Environmental/Legal Affairs	570 Mt Pleasant Ave	Dover	NJ	07801	(973) 361-5400 x1352	bshapiro@casio.com
Charisma Productions	EPR00026	Jayson Rogen	Environmental/Legal Affairs	512 W Main St	Kelso	WA	98626	(360) 578-1900	jayson@charismaproductions.com

Company	EPR#	Responsible Official	Title	Location & Mail Address	City	ST	Zip	Phone	E-mail
Circuit City Stores Inc.	EPR00027	Scott Ash	Tax Manager	PO Box 42304	Richmond	VA	23242	(804) 486-3366	scott_ash@circuitcity.com
Coby Electronics Corp.	EPR00028	Richard Goldberg	Executive Vice President	56 65 Rust St	Maspeth	NY	11378	(718) 416-3300	richard_goldberg@cobyusa.com
CommWise Inc.	EPR00175	Scott Bean	Vice President	PO Box 1080, 47 Cowlitz Street W	Castle Rock	WA	98611	(360) 274-3361	scott@commwiseinc.com
CompUSA, Inc.	EPR00226	Brian Zollinger	Assistant General Counsel	14951 N Dallas Pkwy	Dallas	TX	75254	(972) 982-4540	brian_zollinger@compusa.com
Computer 5 Inc.	EPR00030	Sonny Patterson	Service Manager	341 Grant Rd	East Wenatchee	WA	98802	(800) 992-2112	sonnyp@localtel.net
Computer Cow	EPR00031	Linda M. Bradshaw	Secretary-Treasurer	895 S Broadway	Othello	WA	99344	(509) 488-9618	lbradshaw@computercow.com
Computer Field Technology	EPR00032	Karen Reagan	Environmental/Legal Affairs	1518 172Nd St Ne B	Marysville	WA	98271	(360) 652-9375	jag@cftinet.com
Computer Nut Hut	EPR00033	George J. Petersen	Environmental/Legal Affairs	PO Box 4362	Omak	WA	98841	(509) 826-2600	admin@pcnuthut.com
Computer Services Inc.	EPR00385	Joshua Alwine	President	519 S. Fir Street	Deer Park	WA	99006	(509) 276-6931	Joshua@computerservicesinc.com
Computer Smiths Inc.	EPR00034	Joe Smith	Owner	6409 NW Bondale Ln	Silverdale	WA	98383	(360) 307-9097	joe@computersmiths.net
Computer Source of NW WA, Inc.	EPR00036	Pamela Santangelo	Owner	702 Metcalf St C	Sedro Woolley	WA	98284	(360) 855-0730	Pamela@computersourcenw.com
Computer Technology Link	EPR00038	Erik F. Stromquist	Corporate Vice President	2181 NW Front Ave	Portland	OR	97209	(503) 644-8541	estromquist@ctlcorp.com
Computer World Solution, Inc.	EPR00307	Noel Yuan	President	1550 Abbott Drive	Wheeling	IL	60090	(847) 520-7900	noel@x2gen.com
Computers & Applications	EPR00022	Gwon Chang	President	10619 NE 8th St	Bellevue	WA	98004	(425) 451-8077	gchang@betterguys.com
CTX Technology Corporation	EPR00039	Andy Huang	Managing Director	15253 Don Julian Rd	City of Industry	CA	91745	(626) 363-9328	andy@ctx.com.tw
Custom Computer Sales & Service	EPR00041	Phillip J. Laporte	Owner	154 Port Angeles Plaza	Port Angeles	WA	98362	(360) 452-7880	ccss@wavecable.com
Daewoo Electronics America Inc.	EPR00042	James Kim	General Manager	300-3E State Route 17 South	Lodi	NJ	07644	(973) 249-3437	jskim@e-daewoo.com

Company	EPR#	Responsible Official	Title	Location & Mail Address	City	ST	Zip	Phone	E-mail
Darell's Computers & Peripherals	EPR00044	Darell Phillips	Owner	209 Pine St	Kelso	WA	98626	(360) 578-2909	darell_phillips@comcast.net
Deer Park Computer Sales & Service	EPR00045	John Swiderski	Owner	PO Box 2338	Deer Park	WA	99006	(509) 276-1550	support@meanhamstersoftware.com
Dell	EPR00046	Mike Watson	Compliance and Consumer Programs Manager	One Dell Way, RR2E-2	Round Rock	TX	78682	(512) 724-1848	mike_watson@dell.com
Dex Computers & Things, LLC	EPR00047	Dex P. Bassett, Jr.	President	8012 S Tacoma Way Suite 7	Lakewood	WA	98499	(253) 589-4995	dexterlinda@yahoo.com
Digital Systems & Solutions Corporation	EPR00213	Sheridan Poynter	President	1500 E College Wy Ste B	Mt Vernon	WA	98273	(360) 424-3381	purchasing@dsasc.com
Disney Consumer Products, Inc.	EPR00048	Max Calne	Senior Counsel	The Walt Disney Company, 500 South Buena Vista St	Burbank	CA	91521	(818) 560-2841	max.calne@disney.com
DPI Inc.	EPR00217	Russ Osborne	Director of Operations	900 N. 23rd Street	St Louis	MO	63106	(314) 657-2356	osborner@dpi-global.com
E & S International Enterprises Inc.	EPR00185	Bert Jay	Sales Director	7801 Hayvenhurst Ave	Van Nuys	CA	91406	(818) 702-2227	recycle@aphusa.com
Eager Beaver Computers	EPR00050	Eugene N. Bergstrom, Jr.	President	13817 E Sprague Ave Suite 1	Spokane Valley	WA	99216	(509) 928-3743	gbergstrom@eagerbeavercomputers.com
Eizo Nanao Technologies Inc.	EPR00051	Tom Waletzki	Environmental Manager	5710 Warland Drive	Cypress	CA	90630	(562) 431-5011 x111	twaletzki@eizo.com
Electrograph Systems Inc.	EPR00356	Jeanne Raffiani	General Counsel	146 Main St.	Tuckahoe	NY	10707	(631) 951-7972	jeanne.raffiani@electrograph.com
Electrolux	EPR00287	John A. Heer	Assistant General Counsel	20445 Emerald Parkway SW Suite 250	Cleveland	OH	44135	(216) 898-2332	john.heer@electrolux.com
Elite PC	EPR00191	Steve Jarvis		75 W Baseline Rd Suite 16	Gilbert	AZ	85233	(480) 317-0825 x101	sjarvis@elitepc.com
Elo TouchSystems	EPR00201	Masood Abrishamcar	Environmental Manager					(650) 361-4636	masood.abrishamcar@tycoelectronics.com
Eman Computer Care and Data Recovery	EPR00052	Emmanuel Popa	Environmental/Legal Affairs	815 Ave D	Snohomish	WA	98290	(360) 243-7748	support@emandatarecovery.com
Emerson Radio Corp.	EPR00053	Frank Guerriero	Environmental/Legal Affairs	9 Entin Rd	Parsippany	NJ	07054	(973) 884-5800 x2020	fguerriero@emersonradio.com

Company	EPR#	Responsible Official	Title	Location & Mail Address	City	ST	Zip	Phone	E-mail
Envision Peripherals Inc.	EPR00054	Gino Villaflor	Products Marketing Manager	47490 Seabridge Dr	Fremont	CA	94538		gino@epius.com
Epson America, Inc.	EPR00055	Shelby Houston	Manager, Customer Programs	3840 Kilroy Airport Way	Long Beach	CA	90806	(562) 290-5445	shelby_houston@ea.epson.com
Equus Computer Systems Inc.	EPR00214	Alex Orosz	Product Marketing Manager	5801 Clearwater Drive	Minnetonka	MN	55343	(612) 617-6234	aorosz@equuscs.com
Falcon Northwest	EPR00353	Kelt						(888) 325-2661	
First International Computer	EPR00215	Paul Kim	Director of Marketing	5020 Brandin Court	Fremont	CA	94538	(510) 252-8829	paulkim@everex.com
Fourstar Group	EPR00247	Bruce Peloquin	President	63 South St Suite 190	Hopkinton	MA	01748	(508) 435-0588	licensing@fsgroup.net
Fry's Electronics, Inc.	EPR00281	Lisa Souza-McIntire	Enterprise Risk Manager	600 E Brokaw Road	San Jose	CA	95112	(408) 487-4777	lrs@i.frys.com
Fujitsu Computer Systems Corporation	EPR00056	Graziella Lowe	Director, Program Management	1250 E Arques Ave M/S 125	Sunnyvale	CA	94085	(408) 764-9307	glowe@us.fujitsu.com
Fujitsu General America Inc.	EPR00057	Gerald Campbell	Director of Finance	353 Route 46 West	Fairfield	NJ	07004	(973) 287-1620	gcampbell@fujitsugeneral.com
Funai Corporation, Inc.	EPR00058	Yoichi Kanazawa	Secretary & CFO	19900 Van Ness Ave	Torrance	CA	90501	(310) 787-3000 x210	ykanazawa@funacorp.com
Gateway Manufacturing LLC	EPR00059	Eric Gilbert	Manager, Environmental Programs	7565 Irvine Center Drive	Irvine	CA	92618	(949) 471-7774	eric.gilbert@gateway.com
General Dynamics Itronix Corp	EPR00078	Bruce Burns	HR Asst. Sr. Staff	12825 E Mirabeau Pkwy	Spokane Valley	WA	99216	(509) 742-1862	bruce.burns@gd-itrnix.com
General Electric Company	EPR00209	Bruce Adler	Corp. Environmental Programs	3135 Easton Turnpike	Fairfield	CT	06828	(203) 373-2726	bruce.adler@corporate.ge.com
Grays Harbor Computer Service	EPR00062	William Pitts	Secretary-Treasurer	516 Myrtle St	Aberdeen	WA	98520	(360) 533-6303	bp@ghcomputer.com
GVISION USA, Inc.	EPR00283	Steve Fan	General Manager	20532 Crescent Bay Drive Suite 104	Lake Forest	CA	92630	(949) 586-3338	steve.fan@gvision-usa.com
Haier America	EPR00063	Al Levene	National Director, Sales and Marketing, Electronics	1356 Broadway	New York	NY	10018	(212) 594-3330 x3047	alevene@haieramerica.com
HANNspree North America Inc.	EPR00064	Michael Peng	Project Manager	843 Auburn Ct	Fremont	CA	94538	(510) 360-3045	michaelpeng@usa.hannspree.com

Company	EPR#	Responsible Official	Title	Location & Mail Address	City	ST	Zip	Phone	E-mail
Hansol Technologies Corporation	EPR00065	Billy Tseng	Vice President of Operation	821 Jupiter Rd Suite 306	Plano	TX	75074	(972) 665-4400 x101	btseng@hansol-us.com
Hard Drives Northwest	EPR00066	Talal El-Husseini	Director of Corporate Adminstration	14504 NE 20th St	Bellevue	WA	98007	(425) 644-6474	talal@denaliai.com
Hewlett Packard	EPR00067	Renee St. Denis	Director, Americas Product Take Back	8000 Foothills Blvd., MS/RN	Roseville	CA	95747	(916) 785-8034	renee.stdenis@hp.com
Hillcom	EPR00068	Harry Hill	Environmental/Legal Affairs	10198 Cummings Dr	Sedro Woolley	WA	98284	(360) 757-0179	sales@hillcomcc.com
Hisense USA Corp	EPR00069	Steven Cohen	Director of Sales & Marketing	105 Satellite Blvd. Suite A	Suwanee	GA	30024	(678) 318-9060 x210	steven.cohen@hisense-usa.com
Hitachi Home Electronics (America), Inc.	EPR00070	Neal Svalstad	Legal Counsel	900 Hitachi Way	Chula Vista	CA	91914	(619) 591-5200 x5337	neal.svalstad@hhea.hitachi.com
Humax USA, Inc.	EPR00221	JunSuk Park	Director Operations	17501 Von Karman Ave	Irvine	CA	92614	(949) 251-5223	parkjs@humaxdigital.com
Hyundai IT America Corp.	EPR00235	James Park	Operation Manager	2055 Junction Ave. Suite 137	San Jose	CA	95131	(408) 954-8920 x104	jpark@hyundaita.com
I/O Magic Corporation	EPR00354	Thomas L. Gruber	Chief Financial Officer	4 Marconi	Irvine	CA	92618	(949) 707-4815	tgruber@iomagic.com
IBM	EPR00071	Timothy Mann	Manager, Environmental Product and Process Stewardship, IBM CHQ, Technology and Manufacturing	294 Route 100, MD 2393	Somers	NY	10589	(877) 247-8964	timmann@us.ibm.com
Iiyama Corporation	EPR00233	Ai Kuroda		1140 Avenue of the Americas Suite 2001	New York	NY	10036	(646) 257-3680	akuroda@ohashiandhorn.com
Imation Corp.	EPR00072	Elizabeth Ferguson	Environmental	3200 Meridian Pkwy	Weston	FL	33331	(954) 660-7005	eferguson@memorexelectronics.com
Impression Products Inc.	EPR00073	James Huang	Product Marketing Specialist	1505 Reliance Way	Fremont	CA	94539	(510) 497-8809	james_huang@impression-brand.com
Incommand Inc.	EPR00239	Diane L. Craig	President	702 N 1st Ave Suite C	Yakima	WA	98902	(509) 576-8370	dcraig@incommand.com
Infocus Corp.	EPR00074		Environmental/Legal Affairs	27700B SW Pkwy Ave	Wilsonville	OR	97070	(800) 294-6400	

Company	EPR#	Responsible Official	Title	Location & Mail Address	City	ST	Zip	Phone	E-mail
Infotech Systems Inc.	EPR00075	Issac Choi	Environmental/Legal Affairs	1414 S 324th St Suite B112	Federal Way	WA	98003	(253) 893-7551 x223	issac.choi@infotechnow.com
Initial Technology Inc.	EPR00076	David L. Harris	Vice President, Operations & Sales	1935 Puddingstone	La Verne	CA	91750	(909) 392-5583 x200	davidh@initialdvd.com
J.C. Penney Corporation, Inc.	EPR00227	Aman Zahiruddin	Senior Counsel	Legal Dept., MS 1119, 6501 Legacy Drive	Plano	TX	75024	(972) 431-1256	azahirud@jcpenny.com
JVC America Corp.	EPR00079	Edward Nevins	Manager Environmental Affairs	1700 Valley Rd	Wayne	NJ	07470	(973) 317-5161	enevins@jvc.com
Konka America Inc.	EPR00080	Wayne Wu	Service Manager	13177 Ramona Suite I	Irwindale	CA	91706	(626) 813-9222	service@konkaamerica.com
KTV USA Inc.	EPR00229	C. R. Cho	President	1 Madison St	East Rutherford	NJ	07073	(973) 470-9191 x210	crcho@ktvusa.com
LaCie USA	EPR00269	Melissa Cahill	Director of Finance	22985 NW Evergreen Parkway	Hillsboro	OR	97124	(503) 844-4500	mcahill@lacie.com
Last Stop Computers	EPR00081	Brian Herbert	Owner	3101 6th Ave	Tacoma	WA	98406	(253) 627-5960	laststop_net@hotmail.com
Lenovo	EPR00082	Mary Jacques	Lenovo Global Environmental Affairs	1009 Think Place, Building 2/5J5	Morrisville	NC	27560	(919) 294-0422	maryjacques@us.lenovo.com
LG Electronics USA Inc.	EPR00083	Tim McGrady	Environmental Manager	1000 Sylvan Ave	Englewood Cliffs	NJ	07632	(201) 816-2003	tmcgrady@lge.com
Lincoln Computers	EPR00085	Jason Kalk	Owner	PO Box 405	Clinton	WA	98236	(360) 341-2526	jason@lc-inc.com
Lookout Electronics	EPR00088	Nancy Nash	Manager	1152 Commerce Ave	Longview	WA	98632	(360) 423-9540	nancyn@lookoutcomputer.net
Lorex Technology Inc.	EPR00327	Gilad D. Epstein	Director, Product Management	300 Alden Road	Markham	ON	L3R 4C1	(905) 946-8589 x132	gilad.epstein@lorexcorp.com
Lux Entertainment LLC	EPR00211	Andrew F. Vaccaro	Partner	629 East 19th Street	Paterson	NJ	07514	(866) 684-3036	andy@luxoutdoor.com
Magaero Systems	EPR00089	Mike Gallion	Owner	2704E Gabelein Rd	Clinton	WA	98236	(360) 321-6258	magaero@whidbey.com
Main Business Systems	EPR00090	Peter J. Main	President	914 164th St SE #270	Mill Creek	WA	98012	(425) 385-8680	pmain@mainpc.com
Marantz America Inc	EPR00091	David Meisels	General Counsel	100 Corporate Drive	Mahwah	NJ	07430	(201) 762-6640	dmeisels@dm-holdings-na.com
Mattel, Inc.	EPR00244	Scott Rosenbaum	Senior Counsel, Business & Legal Affairs	Mail Stop M1-1518, 333 Continental Blvd.	El Segundo	CA	90245	(310) 252-6375	scott.rosenbaum@mattel.com

Company	EPR#	Responsible Official	Title	Location & Mail Address	City	ST	Zip	Phone	E-mail
Medion AG	EPR00092	Dan Rubin	Product Marketing/Business Development	493 Laurel Avenue	Highland Park	IL	60035	(866) 633-4660 x1608	dan.rubin@medion.com
MGA Entertainment	EPR00093	Kerri L. Brode	Operations Support Administrator	16300 Roscoe Blvd Suite 150	Van Nuys	CA	91406	(818) 894-2525 x6505	kbrode@mgae.com
Microlynx	EPR00094	Roy Parkison	Owner	6820 Kimball Dr #A5	Gig Harbor	WA	98335	(253) 853-3298	roya@micro-lynx.com
Microsel Inc.	EPR00255	Chris Schmidt	President	5254 West 74th Street	Edina	MN	55439	(952) 405-7575	chris@microsel.com
Miracle Business Inc.	EPR00096	Hong Zhou	President	1344 S Parkside Pl	Ontario	CA	91761	(909) 930-9911	hzhou@miraclebusiness.com
Mirus Innovations, LLC	EPR00109	James Kuo	Account Manager	393 South Cheryl Lane	City of Industry	CA	91789	(909) 978-3310	jkuo@mirusinnovations.com
Mitsubishi Digital Electronics America	EPR00097	Jeff Whitelaw	Director Product Engineering and Engineering Services	9351 Jeronimo Rd	Irvine	CA	92618	(949) 465-6000	jwhitelaw@mdea.com
Modern Office Equipment	EPR00098	Gary Marks	Vice President	2805 N Market St	Spokane	WA	99207	(509) 328-9872	gmarks@moderninc.com
Motion Computing	EPR00280	Tony Hage	Director, Sales Operations	8601 RR 2222, Building II	Austin	TX	78732	(512) 637-1129	thage@motioncomputing.com
Motorola Inc.	EPR00236	Matthew C. Norton	Motorola Corporate Environmental Health & Safety	1303 E Algonquin Rd, IL01 3rd Floor	Schaumburg	IL	60196	(847) 576-0313	matt.norton@motorola.com
MPC Computers	EPR00099	Patricia Atherton	Engineering Manager	906 E. Karcher Rd.	Nampa	ID	83687	(208) 893-3949	peatherton@mpccorp.com
MSI Computer	EPR00242	Connie Chang	CFO	901 Canada Ct	City of Industry	CA	91748	(626) 913-0828 x124	conniec@msicomputer.com
Ncc National Computer	EPR00100	Robert Nguyen	Environmental/Legal Affairs	4615 196th St SW Suite 130	Lynnwood	WA	98036	(425) 776-1310	ncc@cmc.net
NCR Corporation	EPR00237	Stephanie Norwood	Corporate EH&S Program Manager	1700 S Patterson Blvd, WHQ3	Dayton	OH	45479	(937) 445-1731	stephanie.norwood@ncr.com
NEC Display Solutions	EPR00101	Richard A. Atanus	Vice President Product Development	500 Park Blvd Ste 1100	Itasca	IL	60143	(630) 467-4310	ratanus@needisplay.com
Nexgen Mediatech USA Inc.	EPR00328	Roy Yeh	Sales Director	16712 E Johnson Drive	City of Industry	CA	91745	(626) 709-3080 x1688	roy_yeh@mail.nexgen.com.tw
Nextpoint Technologies LLC	EPR00103	Nasir Ali	Owner	1059 Andover Park E	Tukwila	WA	98188	(206) 203-6317	nasir@computersonics.com



Company	EPR#	Responsible Official	Title	Location & Mail Address	City	ST	Zip	Phone	E-mail
Nickelodeon	EPR00199	Elizabeth Dambriunas	Senior Vice President, Deputy General Counsel	1515 Broadway	New York	NY	10036	(212) 846-5490	beth.dambriunas@mtvstaff.com
No Nonsense Computers	EPR00182	Steve Lisee	Owner	5017 Tieton Dr	Yakima	WA	98908	(509) 248-0523	nnc@nncnet.com
Norcent Technology, Inc.	EPR00077	Peter Hii	Vice President, Finance	550 Cliffside Dr	San Dimas	CA	91773	(909) 305-8885 x112	peterhii@norcent.net
Northwest Computer	EPR00104	Susan Sanvictores	Accounting/HR Manager	1701 Ellis St # 235	Bellingham	WA	98225	(360) 734-3400 x205	ssanvictores@nwcomputer.us
NU Technology Inc.	EPR00331	Wayne Chen	President	4044 Clipper Ct	Fremont	CA	94538	(510) 226-1450 x108	wayne.chen@nu-usa.com
NuVision US Inc.	EPR00256	Michelle Dawson	Manager, Accounting & Financial Services	7901 E Pierce St Suite A	Scottsdale	AZ	85257	(480) 970-9114	michelle.dawson@nuvision.com
OCZ Technology Group Inc	EPR00351	Ryan Petersen	CEO	860 E Arques Ave	Sunnyvale	CA	94085	(408) 733-8400	ryan@ocztechnology.com
Omega 1 Computers & Printers	EPR00105	Rodney Weatherill	Owner	PO Box 3831, 2879 NW Kitsap Place	Silverdale	WA	98383	(360) 662-0200	rodney@omega1computers.com
Optoma Technology Inc.	EPR00106	Christopher Yang	Legal / HR Manager	715 Sycamore Drive	Milpitas	CA	95035	(408) 383-3700 x3833	christophery@optoma.com
Orion America Inc.	EPR00107	Akihisa Oki	Secretary/Treasurer	PO Box 1129, Hwy 41 / Orion Place	Princeton	IN	47670	(812) 386-3000 x104	oki@evansville.net
Osram Sylvania	EPR00108	Susan C. Wright	Senior Legal Specialist	100 Endicott St	Danvers	MA	01923	(978) 750-2310	susan.wright@sylvania.com
Panasonic Corporation of North America	EPR00111	David A. Thompson	Director, Corporate Environmental Dept.	One Panasonic Way, 3G-4	Secaucus	NJ	07094	(201) 271-3486	thompsond@us.panasonic.com
PC Gamers Tech Inc.	EPR00112	Sandra L. Carr	Environmental/Legal Affairs	17719 Pacific Ave S #458	Spanaway	WA	98387	(253) 847-7265	ron@pcgamerstech.com
PC Recycle	EPR00220	Molstad P. Steven	Owner	13107 NE 20th Suite 2	Bellevue	WA	98005	(425) 881-4444	steve@pcrecycle.net
PC Salvage	EPR00110	Mark R. Bracking	Owner	3627 S 54th St	Tacoma	WA	98409	(253) 581-0511	sales@pcsalvagellic.com
PC Systems & Services, Inc.	EPR00325	Talal A. El-Husseini	Director of Corporate Administration	14315 NE 20th St	Bellevue, WA	WA	98007	(425) 503-2697	talal@denaliai.com
PConRails, LLC	EPR00286	Wan Chan	Vice President	1618 El Camino Real	Menlo Park	CA	94025	(650) 838-0323	wan.chan@stanfordalumni.org

Company	EPR#	Responsible Official	Title	Location & Mail Address	City	ST	Zip	Phone	E-mail
Perfection PC	EPR00114	Beau Williams	Environmental/Legal Affairs	4610 N Nevada St	Spokane	WA	99207	(509) 489-3344 x111	beau@perfectionpc.com
Philips Electronics	EPR00116	Delmer F. Teglas	Environmental/Legal Affairs	215 Chad Shelton	Chuckey	TN	37641	(423) 620-2034	butch.teglas@philips.com
Pioneer Electronics (USA), Inc.	EPR00117	James Ha	Director Quality Assurance Division	PO Box 1760, 1925 E Dominguez St	Long Beach	CA	90801	(310) 952-2915	james.ha@pioneer-usa.com
Planar Systems Inc	EPR00118	Ji Li	Global Supply Chain	1195 NW Compton Dr	Beaverton	OR	97006	(503) 748-5817	ji.li@planar.com
Pogo Linux, Inc.	EPR00119	Tim Lee	CEO	701 5th Ave	Seattle	WA	98104	(888) 828-7646	tim.l@pogolinux.com
Polaroid Corporation	EPR00115	John LeFebvre	Director, Health, Safety & Environmental Affairs	300 Baker Ave Suite 330	Concord	MA	01742	(781) 386-0887	lefebvj@polaroid.com
Polycom Inc.	EPR00198	Nicholas G. Karafotias	Purchasing Manager	100 Minuteman Road	Andover	MA	01810	(978) 292-5946 x5946	Nick.Karafotias@Polycom.com
Port Townsend Computers, Inc.	EPR00159	Le Hornbeck	President	1200 W Sims Way Suite B	Port Townsend	WA	98368	(360) 379-0605	le@porttownsendcomputers.com
Premio Inc.	EPR00202	Ken Szeto	General Manager	918 Radecki Court	City of Industry	CA	91748	(626) 839-3100 x3101	ken.szeto@premioinc.com
ProMedia Technologies Inc.	EPR00271	Te-Hou Lee	Product Manager	4581 Brickell Privado St	Ontario	CA	91770	(909) 230-7789 x105	tehou.lee@promedialcd.com
Prosonic Group Corp.	EPR00122		Environmental/Legal Affairs	9668 Milikin Ave Suite 104	Rancho Cucamonga	CA	91730	(909) 947-9189	
Protron Digital Corp.	EPR00123	Wesley Chung	General Manager	3257 E Guasti Rd 320	Ontario	CA	91761	(909) 354-4120 x106	wesley@protronusa.com
Proview Technology Inc.	EPR00124	Calvin Kenney	General Manager	7373 Hunt Ave	Garden Grove	CA	92841	(714) 890-8379	ckenney@proview.net
Puget Sound Systems Inc.	EPR00125	Jonathan C. Bach	President	6812 S 220th St	Kent	WA	98032	(425) 458-0273	jonbach@pugetsystems.com
Pyramid Distributing	EPR00126	Bill Vogler	President	18038 2nd Ave NE	Shoreline	WA	98155	(206) 362-5139	b.vogler@comcast.net
Quality Computers & Service	EPR00127	John Kilzer	Owner	2020 Westview Drive	Port Angeles	WA	98363	(360) 417-3830	qualitycomputers@wavecable.com
RadioShack Corp.	EPR00128	Pat Loehr	Manager, Regulatory Affairs	300 RadioShack Circle , MS WF4.136	Fort Worth	TX	76102	(817) 415-6221	pat.loehr@radioshack.com
Regent USA	EPR00130	Rick McDaniel	Customer Service Supervisor	1208 John Reed Ct	City of Industry	CA	91745	(626) 810-2250 x123	rick@regent-usa.com

Company	EPR#	Responsible Official	Title	Location & Mail Address	City	ST	Zip	Phone	E-mail
Re-PC Recycled Computers	EPR00131	Mark R. Dabek	President	1565 6th Ave S	Seattle	WA	98134	(206) 623-9151 x106	mark@repc.com
Richman Poorman Computers	EPR00132	Alan Kemp	Manager	607 SE Everett Mall Way #D	Everett	WA	98208	(425) 353-6900	sales@richpoor.net
Ritzville Computer & Internet	EPR00133	Brent Larsen	Environmental/Legal Affairs / Owner	107 W Main Ave	Ritzville	WA	99169	(509) 659-4060	support@ritzcom.net
Sager Midern Computer Inc.	EPR00309	Shu Y. Yang	Manager	18005 Cortney Court	City of Industry	CA	91748	(626) 964-8682 x116	accounting@sagernotebook.com
Samsung Electronics Company	EPR00135	Michael Moss	Manager, QA Lab of Samsung	18600 S Broadwick St	Rancho Dominguez	CA	90220	(949) 689-0532	mikem@sea.samsung.com
SANYO Manufacturing Corp (SMC)	EPR00136	Craig Manley	Sales & Marketing Manager	3333 Sanyo Rd	Forrest City	AR	72335	(870) 633-5030 x1354	cmanley@sanyotv.com
Sceptre, Inc.	EPR00137	Cathy Chou	Environmental / Legal Affairs	16800 E Gale Ave	City of Industry	CA	91745	(626) 369-3698; (800) 788-2878 x1301	cathy@sceptre.com
Sears Roebuck & Company	EPR00207	Scott DeMuth	Director, Environmental Affairs	3333 Beverly Rd, B5-362A	Hoffman Estates	IL	60179	(847) 286-0656	sdemuth@searshc.com
Sharp Electronics Corporation	EPR00139	Frank Marella	Manager, Corporate Environmental Affairs	One Sharp Plaza	Mahwah	NJ	07430	(201) 529-9408	fjm1@Sharpsec.com
Shuttle Computer Group	EPR00246	Melanie Landayan	Sales Executive	17068 Evergreen Place	City of Industry	CA	91745	(626) 820-9000 x212	melaniel@us.shuttle.com
Silicon Graphics Inc. (SGI)	EPR00222	Julie Kreger-King	EHS Manager	1140 E. Arques Ave	Sunnyvale	CA	94085	(650) 933-1855	jkreger@sgi.com
Softline Computers & Service	EPR00141	Maryann Acker	Owner	2258 SE Lund	Port Orchard	WA	98366	(360) 895-2227	macker@softlinecomputers.com
Sony Electronics Inc.	EPR00143	Mark Small	Vice President, Corporate Environment, Safety and Health Dept.	16450 W Bernardo Dr	San Diego	CA	92127	(858) 942-2716	mark.small@am.sony.com
Sound Computers Inc.	EPR00144	Michael Langer	CFO / Owner	10524 Bridgeport Way SE	Lakewood	WA	98499	(253) 581-9427	mikel@soundcomputers.com
SOYO, Inc.	EPR00302	Ming Chok	CEO	1420 S Vintage Ave	Ontario	CA	91761	(909) 292-2500 x2501	ming@soyogroup.com

Company	EPR#	Responsible Official	Title	Location & Mail Address	City	ST	Zip	Phone	E-mail
Spectra Merchandising International, Inc.	EPR00145	Ron Shulda	Manager	4230 N Normandy Ave	Chicago	IL	60634	(773) 202-8408 x151	rshulda@spectraintl.com
Spectroniq Digital Inc.	EPR00272	Allen White	Manager	2850 E Cedar St, PO Box 9147	Ontario	CA	91761		
Staples	EPR00321	Robert McAdams	Director of PD Technology, Staples Brands Group	500 Staples Drive	Framingham	MA	01702	(508) 253-0014	robert.mcadams@staples.com
Summit Computers	EPR00146	Nadeem Ayaz	Owner	25805 104th Ave SE	Kent	WA	98030	(253) 854-9900	sales@go2summit.com
Sun Microsystems	EPR00193	Diane Niemiec	EHS, Environmental Program Manager	500 Eldorado Blvd., UBRM01-266	Broomfield	CO	80021	(303) 223-6162 x60894	diane.niemiec@Sun.Com
SuperView Technology Inc.	EPR00210	Jane Wu	CFO	5403 Daniels St	Chino	CA	91710	(909) 287-7000 x130	jane@superviewtech.com
SVA Group USA Inc.	EPR00147	Vishal Naik	Marketing Coordinator	350 Ranger Ave Suite A	Brea	CA	92821	(714) 646-7024	vishal.n@sva-usa.com
Syntax-Brilliant Corporation	EPR00148	Wayne Pratt	Executive Vice President and Chief Financial Officer	1600 N Desert Dr	Tempe	AZ	85281	(602) 389-8797	wayne.pratt@syntaxbrilliant.com
Systemax Manufacturing Inc.	EPR00149	Donna Gehnrich	Environmental/Legal Affairs	11 Harbor Park Dr	Port Washington	NY	11050	(516) 608-7000	dgehnrich@systemax.com
T Systems	EPR00224	David A. Madia	CEO	121 Vine Street #1001	Seattle	WA	98121	(206) 448-9388	tonym@seanet.com
Target Corporation	EPR00150	Scott Reed	National Manager, Waste Minimization	PO Box 111	Minneapolis	MN	55440	(612) 304-8673	scottm.reed@target.com
Tatung Science & Technology, Inc.	EPR00151	Lily Kong	Environmental/Legal Affairs	46708 Lakeview Blvd	Fremont	CA	94538	(510) 687-9588	hr@tsti.com
Tech101-Arcus Inc.	EPR00232	Grace Chiu	CFO	11520 Warner Ave	Fountain Valley	CA	92708	(714) 435-0505 x213	grace@tech101.com
Tektronix, Inc.	EPR00316	Katt Fretwell	Product Compliance Engineer	M/S 19-045, PO Box 500	Beaverton	OR	97077	(503) 627-5201	katt.fretwell@tek.com
Thomson Inc. USA	EPR00152	Thomas S. Sipher	General Manager, EH&S	101 West 103rd Street	Indianapolis	IN	46290	(317) 587-5257	tom.sipher@thomson.net
TLC Computer Care	EPR00153	Eric Bonner	Owner	10224 Airport Way	Snohomish	WA	98296	(360) 862-1337	ebonner@tlccomputer.com
TLCO Inc.	EPR00154	George Guill	President	1624 W 8th St	Port Angeles	WA	98363	(360) 452-3010	tlco_inc@yahoo.com

Company	EPR#	Responsible Official	Title	Location & Mail Address	City	ST	Zip	Phone	E-mail
Toshiba America Inc.	EPR00155	Matt Gobble	Environmental Manager	1321 Murfreesboro Road Suite 400	Nashville	TN	37217	(615) 369-1672	matt_gobble@toshiba-dpdc.com
ToteVision	EPR00156	Bill Taraday	President	1319 Dexter Ave N Suite 020	Seattle	WA	98109	(206) 623-6000 x201	btaraday@totevision.com
Twinhead Corp.	EPR00218	Jerry Shih	Operations Director	48303 Fremont Blvd	Fremont	CA	94538	(510) 492-0828 x161	jerry_shih@twinhead.com
Unisoft Inc.	EPR00161	Paul Khodabakhsh	President	14690 NE 95Th St	Redmond	WA	98052	(425) 968-1000	paulk@unisoftnetworks.com
Unisys Direct	EPR00162	Charles Coxson	Manager, Information Technology Asset Disposition	2476 Swedesford Rd	Malvern	PA	19355	(610) 648-4160	charles.coxson@unisys.com
US Micro PC Inc.	EPR00163	Todd Marvin	Owner	13600 NE 20th Street	Bellevue	WA	98005	(425) 462-7300 x102	tmarvin@usmicro.com
VAR Corporation	EPR00165	David Johnson	President	1212 W 11th Ave Bldg B	Spokane	WA	99204	(509) 534-4564	davidj@varcorporation.com
Velocity Micro Inc.	EPR00317	Kate C. Ashley	Executive Director, Retail Channel	7510 Whitepine Road	Richmond	VA	23237	(804) 897-6166 x222	kashley@velocitymicro.com
Venturer Electronics Inc.	EPR00320	Ryan Leung	Sales Assistant	170 Esna Park Drive Unit 6	Markham	ON	L3R 1E3	(905) 477-7878 x240	ryan@alcoelectronics.com
ViewSonic Corp World HQ	EPR00166	Marc M. Maupin	Senior Director Customer Care & Quality	381 Brea Canyon Rd	Walnut	CA	91789	(909) 444-8918	marc.maupin@viewsonic.com
Viewtek Corporation	EPR00332	Larry Wei	President & CEO	20957 E Currier Rd #G	Walnut	CA	91789	(909) 598-6608	larry.wei@viewtekcorp.com
Vigor	EPR00350	George		1300 John Reed Ct	City of Industry	CA	91745	(866) 907-3536	sales@VigorGaming.com
Vizio Inc.	EPR00164	Solomon Chan	Director of Accounting	39 Tesla	Irvine	CA	92618	(949) 428-2525 x2570	solomon.chan@vizio.com
Wacom Technology	EPR00168	Mike Walsh	Controller	1311 SE Cadinal Ct	Vancouver	WA	98683	(360) 896-9833 x132	mike.walsh@wacom.com
Wal-Mart Stores, Inc.	EPR00169	Stacey C. Ward	Merchandise Compliance Project Manager	702 SW 8th St	Bentonville	AR	72716	(479) 277-9052	stacey.ward@wal-mart.com
West End Computers	EPR00170	Chet Hill	Environmental/Legal Affairs / Owner	621 Calawah Way	Forks	WA	98331	(360) 374-9512	chet@olynet.com

Company	EPR#	Responsible Official	Title	Location & Mail Address	City	ST	Zip	Phone	E-mail
Westinghouse Digital Electronics LLC	EPR00171	John A. Zonkoski	Service Manager	12150 Mora Dr	Santa Fe Springs	CA	90670	(562) 236-9800	jzonkoski@wde.com
Worldwide V7 Private Label	EPR00303	Robert Forster	Worldwide V7 Private Label	1600 E St Andrew Place	Santa Ana	CA	92705	(714) 382-2758	robert.forster@v7-world.com
Wyse Technology	EPR00172	Alden D. Neilson	Director, Supply Chain	3471 N First St	San Jose	CA	95134	(408) 914-0744	aneilson@wyse.com
Xerox Corporation	EPR00219	Anne S. Stocum	EH&S Market Support Manager	800 Phillips Road, Bldg 0205-99F	Webster	NY	14580	(585) 422-1655	anne.stocum@xerox.com
Yamaha Corp of America	EPR00173	Robert I. Dow	Product Compliance Administrator	6600 Orangethorpe Ave	Buena Park	CA	90620	(714) 522-9597	bdow@yamaha.com
ZT Group International Inc.	EPR00186	Frank Chang	President	350 Meadowlands Pkwy	Secaucus	NJ	07094	(201) 559-1062	jjingy@ztgroup.com

## B. Participant Assessment of Charges and Apportionment of Costs

The Board of the Authority has duly adopted the following financial plan for assessing charges and apportioning costs for manufacturers participating in the Standard Plan. In doing so, the Board recognizes that sound financial management and good accounting principles are fundamental elements for successful implementation of the Authority's statutory mandates.

### B.1 Classification of Member Manufacturers and Plans

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As stated in RCW 70.95N.030 and WAC 173-900-305, all manufacturers are required to participate in the Authority's Standard Plan, unless they gain approval from Ecology to participate in an independent plan. Manufacturers participating in the Authority's Standard Plan are members of the Authority and are referred to as Standard Plan Members (or Members). Members are responsible for financing the costs of the Authority and the implementation of its Standard Plan.

The **Standard Plan** is the Authority's overall plan for the collection, transportation, processing, and recycling of discarded covered electronic products, which enables member manufacturers to meet their obligations to the Authority under Washington State law. (Appendix 1 contains definitions of key terms used throughout this document.)

**Standard Plan Members** include all manufacturers that participate in the Authority, including both General Participants and Flex Participants, as defined below.

**General Participants** include all manufacturers that will cover their respective recycling responsibility through participation in the Authority's Standard Plan. Recycling responsibility includes both Administrative and Operating Cost obligations, otherwise known as Equivalent Shares as described below.

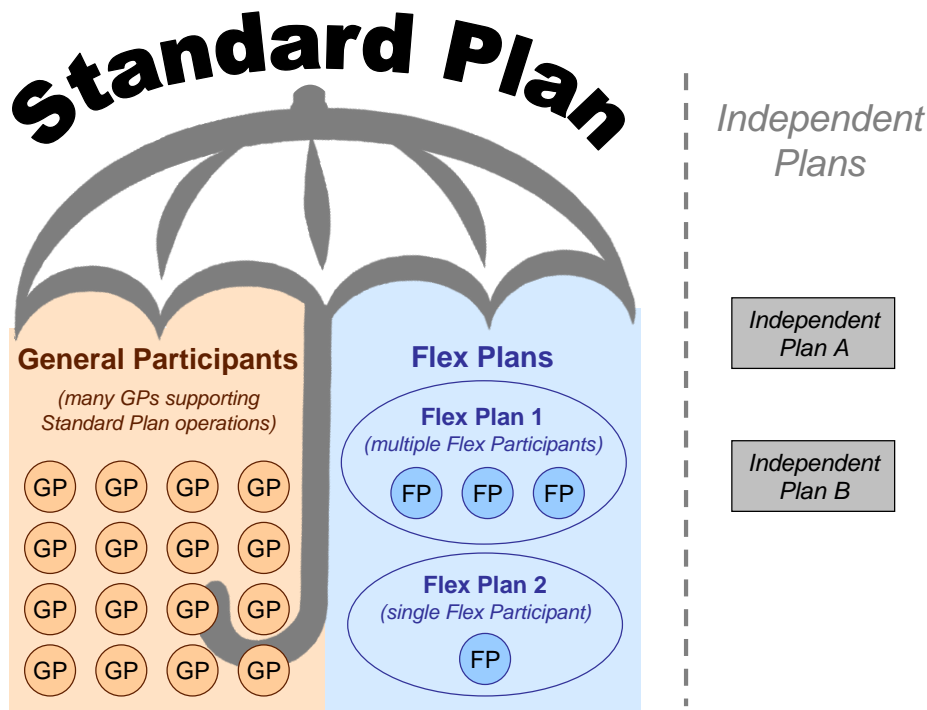
A **Flex Plan** is a sub-plan that exists inside of the Standard Plan. Flex Plans allow Flex Participants to provide their own operations for collecting of CEP's with processing of covered electronic products (CEPs) through processors approved within the standard plan as a way to meet their operating obligations to the Authority.*[revised 6-30-08]*

**Flex Participants** are those manufacturers in the Standard Plan operating individually or within a group that comprises at least two percent (2%) Equivalent Share and that choose to operate their own Flex Plan involving collection and recycling activities. Flex Plans must meet their Equivalent Share of Operating Costs (pounds processed) through their own operations, or they must purchase pounds from the Standard Plan to reconcile any shortfalls in performance as compared to their Equivalent Share of Operating Costs. This arrangement ensures a level playing field for all manufacturers in the Standard Plan. Flex Participants may choose to collect

CEPs through events, collection sites, mail-back service, or other methods. The Flex Participant option is intended to support a range of collection strategies and to provide flexibility for how Members meet their obligations under the Standard Plan.

Figure B-1 shows that the Standard Plan includes both General and Flex Participants under its broad umbrella. Ecology-approved independent plans are separate from the Standard Plan.

**Figure B-1. General Participants (GPs) and Flex Participants (FPs) under the Standard Plan**



Flex Participants are responsible for their respective Equivalent Share of the Authority's Administrative Costs and will be invoiced quarterly for these Administrative Costs by the Authority.

All companies in the Standard Plan are General Participants until they are approved as Flex Participants. Companies that intend to become new Flex Participants must apply to the Authority prior to October 1 of a given year for Flex Participant status change. Flex Participants that wish to change their status back to General Participants must also apply to the Authority for status change prior to October 1 of a given year. Flex and General Participants will be officially announced in December of each year and their announced status will become effective on January 1 of the following year. For example, requests submitted before October 1, 2009, would be reviewed, and the results would be announced in December 2009. Any status changes would take effect on January 1, 2010.

Table B-1 compares the methods by which General Participants and Flex Participants cover their



Administrative and Operating Cost responsibilities to satisfy their obligations to the Authority.

**Table B-1. Allocation of Cost Responsibilities among General and Flex Participants**

General Participant Responsibility		Flex Participant Responsibility	
<b>Administrative Cost</b>	Obligation satisfied by paying Authority invoice	<b>Administrative Cost</b>	Obligation satisfied by paying Authority invoice
<b>Operating Cost</b>	Obligation satisfied by paying Authority invoice	<b>Operating Cost</b>	Obligation satisfied through Flex Plan performance
		<b>Operating Shortfall Cost</b>	If Flex Plan underperforms as compared to its Equivalent Share, remainder of obligation is satisfied by payment to Authority

A manufacturer or group of manufacturers may also seek approval from Ecology to operate an **independent plan**, which meets the requirements of RCW 70.95N.050 and WAC 173-900-310, wholly outside of the Standard Plan and without the use of Authority resources. To be eligible, the manufacturers must represent a return share of at least five percent (5%) of all CEPs collected, and no participating manufacturer in an independent plan may be a new entrant or a white box manufacturer. In the event an independent plan is approved by Ecology and implemented, the Authority shall act to protect its Members by adequately escalating the Standard Plan's performance levels to ensure that the Standard Plan exceeds its collection share relative to the independent plan or group of independent plans.

Once Ecology has approved an independent plan, the participating manufacturer(s) will no longer be considered a Member of the Authority or a participant in the Standard Plan. A manufacturer operating under an independent plan will be required to pay its assessed share of Authority Costs incurred prior to Ecology's final approval of its independent plan, but it will not be required to pay for Authority Costs arising after Ecology's final approval of its independent plan. If a manufacturer switches to an independent plan, there will be no refund of invoiced amounts paid into the Standard Plan to that point (the quarter for which the most recent payment was billed). The manufacturer also will be required to pay its share of costs as reflected on invoices up to the effective date of change to an independent plan.

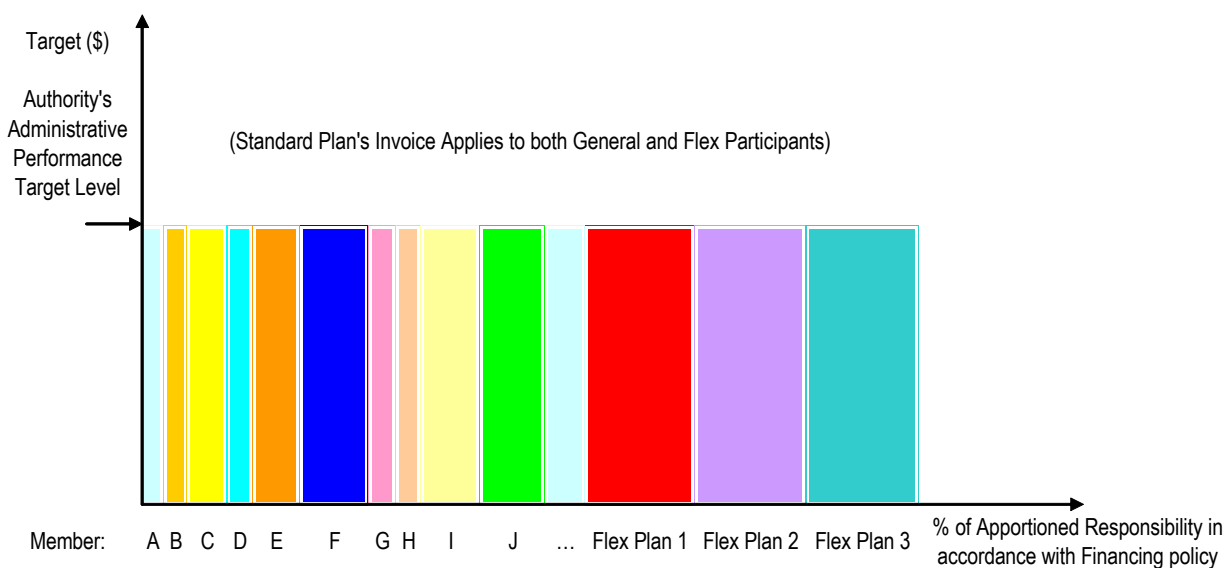
## B.2 Authority Costs and Equivalent Share

### B.2.1 Administrative Costs

**Administrative Costs** cover Standard Plan program development and set-up costs incurred by the Authority that include, but are not limited to legal, communications and public outreach, consulting, staffing, administrative reserve build-up, sampling, information gathering and analysis, and service costs. Administrative Costs are borne by all Standard Plan Participants, including both General and Flex Participants. Repayment of the start-up loan from the Department of Ecology is also an Administrative Cost borne by all Authority Members. The start-up loan was \$500,000 in total and was used to finance the development of the Authority and its Standard Plan, including legal, consulting, and other service fees; and repayment will be made in full by June 30, 2009.

Figure B-2 shows the Authority's target level of performance for administrative costs, projected annually by the Authority and adjusted quarterly and illustrates the apportionment of Administrative Costs among General Participants (Members A through J in this example) and several Flex Plans (Flex Plans 1, 2, and 3 in this example).

**Figure B-2. Administrative Costs and Apportionment of Responsibility for Overall Standard Plan**



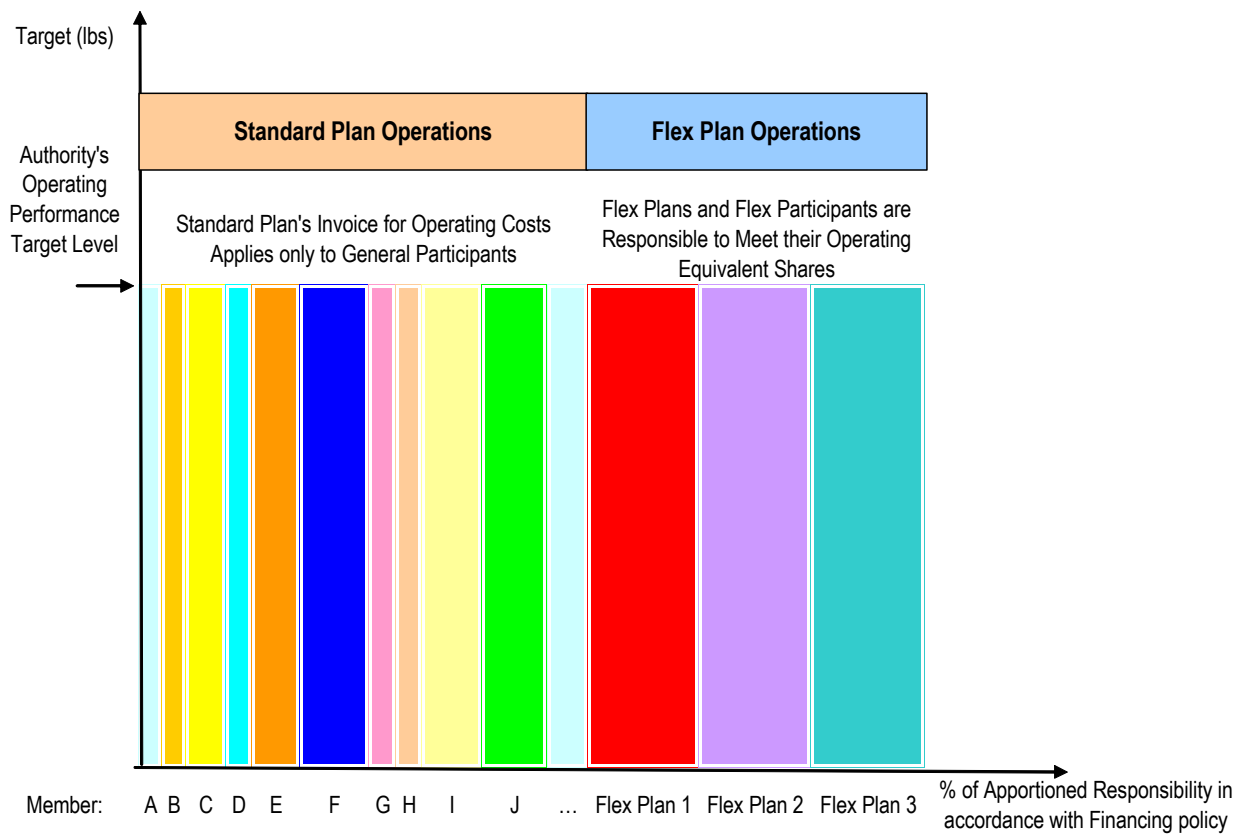
*Note: Each Member's Equivalent Share is equal to the area of the corresponding block above the Member's identifier (e.g., A, B, C).*

## B.2.2 Operating Costs

**Operating Costs** include, but are not limited to, contracting, collecting, transportation, and recycling. Operating Costs that are incurred through Standard Plan operations are borne by General Participants. Flex Participants cover their operating obligations through their respective Flex Plan operations.

Figure B-3 shows the Authority's target level of performance for operations, determined annually and adjusted quarterly by the Authority, and the apportionment of operating obligations across both General Participants and Flex Plans. Operating Costs will generally be equal to the Equivalent Share (in pounds) multiplied by the total average cost per pound.

**Figure B-3. Operating Obligations and Apportionment of Responsibility for Overall Standard Plan**



Note: Each Member's Equivalent Share is equal to the area of the corresponding block above the Member's identifier (e.g., A, B, C).

### B.2.3 Equivalent Share

**Equivalent Share** is the respective obligation of a Member or Flex Plan and is determined in a way that is consistent with the financing policy described herein. General Participants satisfy their Equivalent Share obligations automatically by paying for their share of the Standard Plan's Administrative and Operating Costs, covered in quarterly invoices. Flex Participants also satisfy their Administrative Cost obligations to the Authority by payment of quarterly invoices that are issued by the Authority. Meanwhile, in contrast to General Participants, Flex Plans satisfy their Equivalent Share of operating obligations through performance of their own approved operating activities for collecting and processing CEPs.

The Authority shall determine an Equivalent Share for each Standard Plan Member, consistent with the financing plan. The Authority Financing Policy, as described in Section B.3, provides a calculation that determines the percentage of responsibility for a given member. The Equivalent Share will be calculated by applying this percentage of responsibility to the total Standard Plan performance level (Administrative and Operating Costs) established by the Authority on an annual basis, and adjusted quarterly by the Authority to match Equivalent Share with actual performance of the Standard Plan.

The Authority will budget respective performance levels for operating activities (pounds) and performance levels (dollars), designed to represent projected overall Standard Plan performance. Consequently, a Member's percentage of responsibility remains the same, whether it is applied to operating costs or administrative costs. The budgeted performance levels for operating costs and administrative costs will be different, however, since they are for two distinctly different purposes.

A Flex Plan operates collection, transportation, and recycling outside of the direct management of the Authority, yet within the rules and auspices of the Authority. The Flex Plan's Equivalent Share is the accumulation of Equivalent Shares for each respective Flex Plan member. A Flex Plan that fails to meet its Equivalent Share for operating obligations must purchase credits from the Authority at the Authority's average cost per credit, including any additional administrative processing costs.

Both the Standard Plan's General Participants and the Flex Plan's Flex Participants that exist within the Standard Plan earn credit towards their operating Equivalent Shares through their respective plan's operations that include collecting, transporting, and processing discarded pounds of CEPs. Pounds that are collected in rural counties, as designated by the Authority, and processed by a qualified recycler, provide a credit towards the respective Flex Plan's Equivalent Share valued at 1 pound per every pound processed. Pounds that are collected in urban counties, as designated by the Authority, and processed by a qualified recycler, provide a credit towards the respective plan's Equivalent Share valued at 0.67 pounds per every pound processed. Collection events must offer equal opportunity and advertising for collection of all CEPs in order to qualify for credit towards a Plan's Equivalent Share.

## B.3 Authority Financing Policy

The Authority considered methods for apportioning responsibility for Authority Costs based on current market share of product sales and on return share of used products collected. Many factors influence market share, including the number of units sold over time and the useful life of the product.

To apportion costs fairly among participants, the Authority agreed to assess fees to finance its operations based on a combination of current market share (see Section B.3.3) and return share (see Section B.3.2), as described below. During the first operational year (2009), the Authority Costs will be financed as follows:

1. Half (50%) based upon Member pounds of CEPs sold into Washington (a Member's "market share"); and
2. Half (50%) based on pounds of a Member's brand collected in Washington (a Member's "return share").

In subsequent years, this basis for assessing Authority Costs is forecasted to transition gradually, on an annual basis, toward financing based solely on market share of pounds of CEPs sold into Washington. Such an approach is intended to be fair to participating manufacturers and to provide a stable, sustainable funding source over time to maintain and operate the Authority and its Standard Plan. The Authority forecasts a transition to fee assessment based on market share as indicated in Table B-2.

**Table B-2. Proposed Cost Apportionment by Market Share and Return Share**

<b>Year</b>	<b>Percentage of Authority Costs Financed by Member CEPs Sold, by Weight <i>Weighted Distribution of Responsibility – Market Share (WDRm)</i></b>	<b>Percentage of Authority Costs Financed by Member CEPs Collected, by Weight <i>Weighted Distribution of Responsibility – Return Share (WDRr)</i></b>
2009	50%	50%
2010	55%	45%
2011	60%	40%
2012	65%	35%
2013	70%	30%
2014	80%	20%
2015	90%	10%
2016 and	100%	0%

future years		
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### B.3.1 Member Fees and Collection Process

Consistent with the Authority's financing policy, Member fee assessments to cover Authority Costs will be based on a combination of market share and return share, until the Authority transitions to financing based solely on market share, as discussed above.

### B.3.2 Return Share in Financing Policy Allocation

$$\text{Rtn Sh} = A/B$$

Rtn Sh = Member's Return Share Factor

A = Member's Brand CEP Weight Collected

B = Total Plan CEP Weight Collected

As administered by the Department of Ecology, weights are based upon sampling as described in WAC 173-900-900 and in the Authority's Operating Plan and are consistent with the National Center for Electronics Recycling (NCER) methodology. Member's Brand CEP Weight Collected is an accumulation of the pounds collected of the Member's respective brand(s) in a calendar year. The Total Plan CEP Weight Collected is the sum of the pounds collected for all Member brands in the Standard Plan in a calendar year.

~~The Authority will use the return share list produced by Ecology for the purpose of initial billings in 2008 and 2009.~~ For small or new manufacturers for which return share data are unavailable, the return share will be assumed to be zero until sampling data or information from Ecology indicates that a return share exists.

PLAN REVISION SUBMITTED 6-18-09: By majority vote held on June 18, 2009 the WMMFA board approved moving from the use of the initial return share list provided by Ecology (based on NCER data 2004-2006- *Washington State 2009 Final Return Share*) to actual return share data accumulated from January 1, 2009 through May 31, 2009, per WAC 173-900-900 sampling process, for purposes of brand name/member return share percentage calculations of manufacturer responsibility. Orphan brands and brands owned by unregistered manufacturers will be allocated among registered manufacturer/brands proportionately. Use of this partial year sampling data will be applicable to manufacturer invoices beginning with the June 2009 manufacturer invoices covering 4<sup>th</sup> quarter 2009 expenses. This data set will also be used for the 1<sup>st</sup> quarter 2009 manufacturer's invoices unless updated return share sampling (larger date range) is available from Ecology at the time of invoicing and the board passes a motion to use updated data. The WMMFA will use full year 2009 sampling data available in the 1<sup>st</sup> quarter of 2010, on invoices for the 2<sup>nd</sup> through 4<sup>th</sup> quarter of 2010.

### B.3.3 Market Share in Financing Policy Allocation

$$\text{Mkt Sh} = C/D$$

Mkt Sh = Member's Market Sales Share Factor

C = Member's CEP Sales Weight

D = Total Member CEP Sales Weight

#### Market Share Information Request

Prior to July 1 of each year, a request for the amount of respective CEPs sold into Washington State during the previous 12-month period of July 1 through June 30 will be sent to all manufacturers in the Standard Plan. Data requested will include pounds and number of units for each product category sold into Washington State as described in RCW 70.95N.020. Covered entities referenced in sales data request will include households, charities, school districts, small businesses, and small governments located in Washington. Additionally, the request for market data will seek overall national sales numbers (units and pounds sold) for each respective CEP category.

Data and calculations will be required to support the information submitted. A manufacturer must indicate its methodology for obtaining its market share data. The Authority, or a third party, will consider all available information as necessary to corroborate member reporting, including independent reports of market share. Washington State sales should be consistent with national sales, sales trends, or both unless acceptable justification is provided showing a different result. If the Authority and a manufacturer cannot reach agreement on reported market share, the Department of Ecology will review all relevant and reasonably available information and determine a final resolution.

By September 1 of each year, each Standard Plan Member will report to the Authority the total pounds of CEPs sold into Washington during the preceding July 1 through June 30 period. A manufacturer who reports after September 1 will be assessed a late penalty equal to 10% of the Administrative Cost on their December invoice for the upcoming year's activity. In the event Ecology determines that a manufacturer has underreported pounds sold into Washington State, that manufacturer will be assessed a penalty equal to at least 10% of that manufacturer's Administrative Cost and Operational Cost for the subsequent calendar year following the year of underreporting.

Using these reported data, the Authority will determine the total pounds of CEPs sold for all Standard Plan Members. The Authority will then calculate and assign a percentage of the total pounds sold to each Member. This percentage of the total reported pounds sold will be used to calculate and assess individual Member fees based upon market share (i.e., CEP pounds sold) as described herein. Table B-3 shows the data sources expected to be used in determining market share and return share for manufacturers in invoice periods through March 2009.

**Table B-3. Source Data for Determining Market Share and Return Share**

	<i>Invoice Date</i>			
	<b>April 2008</b>	<b>October 2008</b>	<b>December 2008</b>	<b>March 2009</b>
<b>Market Share</b>	Tier apportionment as provided by Ecology results, divided by number of members in that Tier	Market share data as available from manufacturers and third parties	Market share data as available from manufacturers and third parties	Market share data as available from manufacturers and third parties
<b>Return Share</b>	As provided by Ecology	As provided by Ecology	As provided by Ecology	As provided by Ecology

### **B.3.4 Disputed Market Sales Information**

The Authority Board will direct authorized staff or a designated contractor to receive information on CEP pounds sold and calculate market share. Pounds-sold information (or other market-sensitive data) from individual Members will not be shared with Authority Board Members, other Authority Members, or any other manufacturer of CEPs.

The Authority will consider reliable, available information as necessary to corroborate Member reports on market sales, including independent reports of market share. Any disagreement between the Authority and a Member regarding sales reported will be reviewed by the Authority. If the Authority and a Member cannot reach agreement on the reported sales figures, the dispute shall be referred to Ecology. Ecology will review all relevant and reasonably available information and determine a final resolution.

Disputed market share information will be resolved as soon as possible and no later than the next billing cycle after a dispute arises. The manufacturer will be responsible for payment of the disputed market sales-related amount until the resolution process is complete. The revised market share allocation, if any, will be used for the period in which the revision is determined, retroactive to the quarter in which the dispute arose. Payments will be adjusted to that quarterly date in the form of a credit on future invoices. If the revised market share data results in a credit of 50% or more of the expected amount of the manufacturer's next quarterly invoice, a refund will be issued to that manufacturer.



### B.3.5 Member Percentage of Authority Cost Responsibility

$$\text{Mem Sh} = [ (\text{Mkt Sh}) (\text{WDRm}) + (\text{Rtn Sh}) (\text{WDRr}) ] / 100$$

Mem Sh = Member Share Factor (ultimate percentage of responsibility for individual Member)

Rtn Sh = Member's Return Share Factor

Mkt Sh = Member's Market Sales Share Factor

WDRm = Weighted Distribution of Responsibility for Market Share (see Section B.3.3)

WDRr = Weighted Distribution of Responsibility for Return Share (see Section B.3.2)

The Weighted Distribution of Responsibility (WDR) refers to the Standard Plan's allocation of financial responsibility based on a combination of market share and return share, as shown in Table B-2. The Authority forecasts a transition to full market-share financing in 2016 and beyond.

### B.3.6 Member Fee in Financing Policy Allocation

The Member Fee shall be calculated by multiplying the Authority Costs covered by the invoice period by the Member Share Factor for allocation of responsibility.

$$\text{Mem Fee} = \text{Mem Sh} * \text{Authority Costs}$$

Mem Fee = Member Fee

Mem Sh = Member Share Factor

Section B.3.10, *Authority Fees*, explains how member fees are calculated and provides examples of potential invoice calculations for manufacturers with different market shares and return shares.

### B.3.7 Manufacturer Fees Payment Period

Except during the start-up period described in this chapter, and any other fees assessed by the Authority Board to cover unusual or emergency expenditures, the Authority will send invoices to all Members on or about the first day of the month prior to each calendar quarter (December 1, March 1, June 1, and September 1). Members will be given 60 days from the invoice date to submit payment. The Authority may modify this schedule with Board approval.

### B.3.8 Procedure for Member Non-Payment of Fees

Members for whom payment has not been received within 60 days of the invoice date will be sent a reminder letter, their past due invoice will include a three percent (3%) penalty assessment for failure to pay within 60 days. Ecology will be notified that the manufacturer is not participating in the Standard Plan. For payments not received within 90 days, the Member will receive a letter warning of imminent enforcement action. Payments not received within 120 days will be assumed delinquent, and the Member will be assessed an additional 10% late fee and

reported to Ecology for enforcement action. The Authority may modify these procedures for non-payment with Board approval. Fees that ultimately are not collected will be apportioned to other Members as part of the invoice process for the following year if necessary to maintain the reserve requirements, as discussed in Section B.3.9, *Reserve Requirements*. [revised 7-2-08]

The reserve funds are intended to cover contingencies including delayed payment and non-payment by some members. Any revenue shortfall due to a non-collectible invoice will be apportioned to the other members in the next available billing cycle after the billing cycle in which it was determined the invoice would not be paid. If a past due account is settled and ultimately collected late, after the burden of non-payment has already been distributed among other manufacturers, that amount collected will be credited back to all previously over-burdened manufacturers in the next billing cycle.

### **B.3.9 Reserve Requirements**

The minimum total reserve amount is set at 20% of projected costs. This reserve is intended to cover contingencies including delayed payment and non-payment by some members, as covered in Section B.3.8, *Procedure for Member Non-Payment of Fees*.

Initial reserves for the April 2008 and October 2008 invoices are set at 25% of the respective annual projected Administrative and Operating Costs to allow for contingency expenses not foreseen in the planning stages. The March 2009 invoice will be adjusted, if necessary, to bring reserves to the minimum amount of 20% of annual budgeted expenses based on history through the first quarter of 2009. The Authority will seek a line of credit equal to 10% of its annual projected expenditures prior to October 2008 invoicing. Any funds obtained by a loan would be a short-term liability with principal and interest billed to manufacturers within one billing cycle of receipt of borrowed funds.

Table B-4 shows reserve fund goals and fund composition for various reserve amounts, based on a percentage of projected annual costs.

**Table B-4. Reserve Funds Goals**

		Reserve Composition	Reserve Guide Comments	Percentage of Projected Annual Costs
Total Reserve	Working Reserve	Cash	Reserve should normally not exist in this region.	50%
		Cash	Trigger zone of concern	45%
		Cash	Acceptable region	40%
		Cash	Acceptable region	35%
		Cash	Acceptable region	30%
		Cash	Optimal region	25%
	Minimum Total Reserve	Cash	Temporary region for cash resource	20%
		Line of Credit	Temporary region of credit use	15%
			Trigger zone of concern	10%
		Cash	Not intended for spending	5%
Note: Reserve will be based upon annually projected costs, which are subject to quarterly adjustment.				

### B.3.10 Authority Fees

The Authority will begin collecting fees in 2008 to prepare for the Standard Plan to be operational by the statutory deadline of January 1, 2009. The anticipated fee schedule is described below.

#### April 2008 Invoices

In April 2008, the Authority issued invoices to fund the Authority's projected Administrative Costs for the remainder of 2008. The April 2008 invoice did not cover any Authority Operating Costs.

For the April 2008 invoice only, the Authority used the 2008 Tier assignments developed by Ecology to establish market share for 2007. The April 2008 invoices were based half upon the market share as determined by the Ecology 2008 Tier assignments and half upon return share as determined by Ecology for the period from July 1, 2006, through June 30, 2007, which Ecology published in August 2007. Table B-5 shows example billing amounts for the Authority's April 2008 invoices to member manufacturers, based on Authority invoices covering a total amount of \$450,000.

**Table B-5. Example April 2008 Invoice Estimates for Member Responsibility**  
(not exact values; based on invoices covering a total of \$450,000)

Manufacturer	2008 Tier	Market Share	Return Share	Total Share = (Mkt Share + Rtn Share)/2	Total Standard Plan Administrative Cost	Member Administrative Cost (April 2008 Invoice)
A	1	15.81%	3.87%	9.840%	\$450,000	\$44,280
B	2	2.26%	5.35%	3.805%	\$450,000	\$17,123
C	3	0.37%	0.07%	0.220%	\$450,000	\$990
D	4	0.07%	0.00%	0.035%	\$450,000	\$158
E	5	0.02%	0.00%	0.010%	\$450,000	\$45
F	6	0.00%	0.023%	0.012%	\$450,000	\$54
G	6	0.00%	0.00%	0.000%	\$450,000	\$0
H	7	0.00%	0.98%	0.490%	\$450,000	\$2,205

### October 2008 Invoices

In October 2008, the Authority will issue invoices to fund the implementation and operation of the Standard Plan in the fourth quarter of 2008. The October 2008 invoices will be apportioned as described in Sections B.3.1 through B.3.8 and will be based in part on market share data as received from manufacturers.

All invoices from October 2008 onward will cover projected Administrative and Operating Costs. Administrative costs are estimated and will be updated as more information becomes available. No operational expenses are forecast for 2008 at this time. A decision to initiate a soft start (limited operations testing) will be made prior to the October 2008 invoice. Any operational expenses projected at that time will be included in the October 2008 invoice, with the corresponding changes to budget projections made at that time.

The costs to be covered by the October 2008 invoices are estimated as follows:

Administration Costs (primarily reserve build)	\$200,000
Operating Costs (primarily reserve build)	\$2,000,000

For example, a Member that has a 15.81% Market Share and a 6% Return Share will be charged the following amounts:

Administrative Costs	\$21,810	$[\$200,000 * (0.1581 + 0.06) / 2]$
Operating Costs	\$218,100	$[\$2,000,000 * (0.1581 + 0.06) / 2]$

### Quarterly Invoicing

Beginning December 1, 2008, the Authority will send Members regular quarterly invoices as illustrated in the invoice and payment schedule in Table B-6.

**Table B-6. Planned Invoice and Payment Schedules for Authority**

Cash Flow Schedule	Previous Year			Current Year												Next Year		
	Q4			Q1			Q2			Q3			Q4			Q5		
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
Invoices to Manufacturers			x			x			x			x			x			
Inflow of Cash			x	x		x	x		x	x		x	x		x	x		
Payment Period			x	x	x	x	x	x	x	x	x	x	x	x	x	x		

Quarterly assessments for each upcoming year will be based upon that year's projected budget, subject to quarterly adjustment, and invoices will be apportioned as described in Sections B.3.1 through B.3.8. Consequently, each quarterly invoice will account for approximately 25% of the year's projected annual Authority Costs and any additional funds necessary to maintain a sufficient reserve, consistent with Authority's stated policy and Operating Plan. Budget shortfalls will be covered by the reserve accounts and subsequent invoicing will recover the reserve shortfall. The reserve will generally be maintained at a level of 20% to 50% of the annual budget.

In 2007, the Authority obtained a \$500,000 loan from Ecology to finance the Standard Plan development, including legal fees, consulting, board expenses, office expenses, and other related organizational costs. The loan allowed the Authority to postpone charges to manufacturers until a Standard Plan was approved for implementation. The Authority must repay the loan on or before June 30, 2009. The loan amount will be included as part of the 2009 budget and will be included as part of the December 2008 and March 2009 invoices. If needed, the Authority Board will modify the invoicing schedule to assure that the reserve requirements, Authority commitments, and loan payment deadline are met.

Table B-7 outlines cost apportionment estimates for various example companies, including projected invoices for October 2008, December 2008, March 2009, and June 2009.

**Table B-7. Projected Invoice Estimates for Standard Plan General Participant Members, October 2008 through June 2009**

<b>Projected October 2008 Invoice Estimates for Member Responsibility</b>						
			<i>Administration</i>		<i>Operation</i>	
<b>Member Tier</b>	<b>Market Share</b>	<b>Return Share</b>	<b>Standard Plan Administrative Cost</b>	<b>Member Administrative Cost</b>	<b>Standard Plan Operating Cost</b>	<b>Member Operating Cost</b>
1	15.81%	6.00%	\$200,000	\$21,810	\$2,000,000	\$218,100
2	2.26%	4.00%	\$200,000	\$6,260	\$2,000,000	\$62,600
3	0.37%	1.00%	\$200,000	\$1,370	\$2,000,000	\$13,700
4	0.07%	0.50%	\$200,000	\$570	\$2,000,000	\$5,700
5	0.02%	5.00%	\$200,000	\$5,020	\$2,000,000	\$50,200
6	0.00%	2.00%	\$200,000	\$2,000	\$2,000,000	\$20,000

<b>Projected December 2008 Invoice Estimates for Member Responsibility</b>						
			<i>Administration</i>		<i>Operation</i>	
<b>Member Tier</b>	<b>Market Share</b>	<b>Return Share</b>	<b>Standard Plan Administrative Cost</b>	<b>Member Administrative Cost</b>	<b>Standard Plan Operating Cost</b>	<b>Member Operating Cost</b>
1	15.81%	6.00%	\$450,000	\$49,073	\$1,500,000	\$163,575
2	2.26%	4.00%	\$450,000	\$14,085	\$1,500,000	\$46,950
3	0.37%	1.00%	\$450,000	\$3,083	\$1,500,000	\$10,275
4	0.07%	0.50%	\$450,000	\$1,283	\$1,500,000	\$4,275
5	0.02%	5.00%	\$450,000	\$11,295	\$1,500,000	\$37,650
6	0.00%	2.00%	\$450,000	\$4,500	\$1,500,000	\$15,000

<b>Projected March 2009 Invoice Estimates for General Participant Members</b>						
			<i>Administration</i>		<i>Operation</i>	
<b>Member Tier</b>	<b>Market Share</b>	<b>Return Share</b>	<b>Standard Plan Administrative Cost</b>	<b>Member Administrative Cost</b>	<b>Standard Plan Operating Cost</b>	<b>Member Operating Cost</b>
1	15.81%	6.00%	\$450,000	\$49,073	\$1,500,000	\$163,575
2	2.26%	4.00%	\$450,000	\$14,085	\$1,500,000	\$46,950
3	0.37%	1.00%	\$450,000	\$3,083	\$1,500,000	\$10,275
4	0.07%	0.50%	\$450,000	\$1,283	\$1,500,000	\$4,275
5	0.02%	5.00%	\$450,000	\$11,295	\$1,500,000	\$37,650
6	0.00%	2.00%	\$450,000	\$4,500	\$1,500,000	\$15,000

Projected June 2009 Invoice Estimates for General Participant Members						
			Administration		Operation	
Member Tier	Market Share	Return Share	Standard Plan Administrative Cost	Member Administrative Cost	Standard Plan Operating Cost	Member Operating Cost
1	15.81%	6.00%	\$200,000	\$21,810	\$1,500,000	\$163,575
2	2.26%	4.00%	\$200,000	\$6,260	\$1,500,000	\$46,950
3	0.37%	1.00%	\$200,000	\$1,370	\$1,500,000	\$10,275
4	0.07%	0.50%	\$200,000	\$570	\$1,500,000	\$4,275
5	0.02%	5.00%	\$200,000	\$5,020	\$1,500,000	\$37,650
6	0.00%	2.00%	\$200,000	\$2,000	\$1,500,000	\$15,000

## B.4 Financing Timeline

- August 1, 2007 – Ecology issues final return shares.
- January 1, 2008 – Manufacturers must declare Plan.
- February 1, 2008 – Standard Plan and other CEP recycling plans due to Ecology.
- April 2008 – Authority issues start-up invoices.
- July 2008 – Authority issues request for reports on pounds of CEPs sold for period from July 1, 2007, through June 30, 2008.
- September 1, 2008 – Members report on pounds of CEPs sold during period from July 1, 2007, through June 30, 2008.
- October 2008 – Authority issues start-up invoices.
- December 2008 – Authority issues invoices.
- January 1, 2009 – Statewide collection of CEPs begins.
- March 2009 – Authority issues invoices.
- June 30, 2009 – Authority repays initial \$500,000 loan from the Department of Ecology.

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## C. Letter of Certification

**Not applicable (for independent plans only).**

*This section is for independent plans only and is not included in the Standard Plan.  
(The heading is included to preserve the sequential lettering of sections.)*

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## **D. Use of Washington State Businesses**

In developing the Standard Plan for the collection, transportation, and processing of CEPs, the Authority has sought to identify and involve businesses within Washington State. The Standard Plan's collection network consists of recycling businesses, retailers, charities, and other sites located within Washington. In building the collection network, the Authority contacted numerous local government staff members and worked with them to identify those businesses and institutions that could provide collection services in their local areas. To identify qualified transporters and processors, the Authority notified many businesses registered in Washington State and provided opportunities for them to respond and provide services for the Standard Plan.

In selecting future collectors, transporters, processors, and other contractors, the Authority will include businesses located in Washington State among those companies notified of the selection process and provide opportunities for Washington businesses to present their qualifications. The Authority will select the contractors that it deems most qualified to perform the scope of work; location in Washington State may be a contributing factor to these qualifications but is not a guarantee of selection or actual work. The Authority expects to continue to provide opportunities for Washington businesses to compete for Authority work throughout the Plan development process as well as during the implementation and operational stages.

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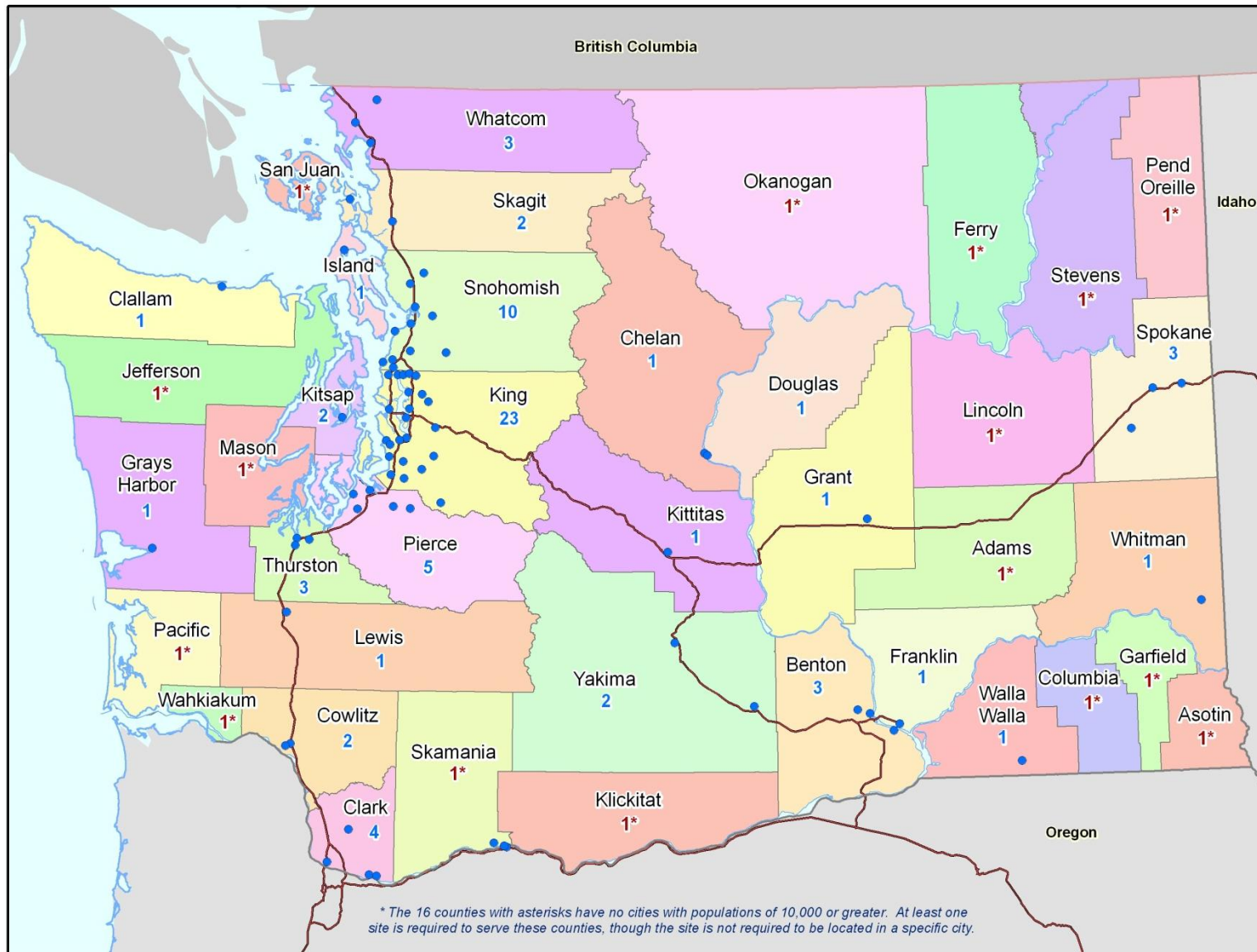
## E. Collection Services

The Authority's Standard Plan is designed to provide convenient CEP collection service in cities and counties throughout Washington State for covered entities, including households, charities, school districts, small businesses, and small governments. In keeping with the legal requirements of WAC 173-900-355, the Standard Plan seeks to provide for reasonably convenient collection services in each of Washington's 39 counties and for every city with a population of 10,000 or greater in Washington State.

### E.1 Required Service Areas

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Figure E-1 shows Washington's 39 counties. Blue dots show the 73 cities with populations of 10,000 or greater; blue numbers indicate the number of such cities in each county. Red numbers with asterisks denote the 16 counties that have no cities with populations of 10,000 or greater. These counties are marked with the number "1," as each county is required to have at least one collection site. Together, at least 89 cities and counties require service under the law. In addition, multiple sites may be appropriate to provide collection services in some of Washington's larger cities.

**Figure E-1. Washington City and County Locations Requiring Collection Service, with Counts by County**

## E.2 CEP Collection Services

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To meet the requirements for collection services, the Authority worked with local government officials responsible for preparing local solid waste management plans in cities and counties throughout the state. To identify and secure collection sites, the Authority worked with local governments in rural counties, cities and counties in more urbanized counties, organizations included in Ecology's 1-800-RECYCLE database, as well as private companies that collect and transport waste. The Authority made multiple contacts through e-mails, phone calls, and site visits.

Table E-1 provides a list of local government staff members that the Authority contacted prior to the original submission of the Standard Plan on February 1, 2008. The Authority expects to make additional contacts to prepare for the start of collection services in January 2009. In addition to these local government contacts, the Authority also communicated with waste haulers, charity organizations, recyclers, computer stores, retailers, and other organizations to identify potential collection sites.

Table E-2 summarizes the collection services by county, including the number and location of sites needed, as well as information from local government contacts regarding their assessments of what "reasonably convenient" collection service means in their counties. The collection services offered are intended to meet the state and local government requirement for "reasonably convenient" service. The Authority had multiple communications with local solid waste officials to discuss what constitutes "reasonably convenient" collection services, particularly in rural areas.

Collection services for the Standard Plan will be provided by a wide range of groups and organizations, including recyclers, retail businesses, and community groups, some of which are charities and retailers that cross multiple jurisdictions. For a complete list of collectors participating in the Plan, see **Section F, Collectors**.

The Authority has built its current collection infrastructure largely around staffed collection sites. In the future, the Authority may also provide some collection services through events, curbside service, or both. Periodic collection events may be held in conjunction with local governments if needed to provide convenient collection service. The Authority may use a combination of approaches to provide reasonably convenient collection services for covered entities in Washington State.

In the first year of operations, the Authority will focus efforts on establishing staffed collection sites within cities and counties as defined in Section E.1, *Required Service Areas*. The Authority anticipates that outreach will educate the public and direct them to sites over time. At some sites, collected CEP volumes may not support the staffed collection site model, regardless of public outreach efforts. After giving sites a reasonable amount of time to develop volume, if volume does not support the site based upon per-capita experience throughout similar areas, the Authority will seek alternate collection models, such as local events combined with other community activities, or evaluate models suggested by the local communities affected.

### **E.2.1 Non-household Covered Entities and Large Quantities of CEPs**

The Authority will also offer collection services to non-household covered entities, including charities, school districts, small businesses, and small governments located in Washington State. These entities may generate quantities of CEPs greater than a nearby collection site will be able to accept (generally more than 20 units at one time). Authority staff will be available during normal business hours at the toll-free phone number 1-866-779-6632 to provide handling and disposition information for entities with large quantities of CEPs. Processing of large volumes will be done free of charge. A pick-up fee may be charged if the covered entity requests a pick-up in lieu of dropping off the volumes at a place acceptable to manage collection site capacity. Outreach to covered entities not using established collection sites will be made through the internet, flyers, retailers, governmental networks, school boards, and other methods. Such outreach will inform covered entities of how to contact the Authority and obtain specific information concerning alternate drop-off locations for larger quantities or truck-load pick-ups as described above.

### **E.2.2 Non-covered Electronic Products**

The Authority is not required to accept peripherals or electronics other than those identified as covered electronic products. However, the Authority anticipates such items will be attached to and included with some CEPs at the time of collection. The Authority will discourage collectors from accepting any and all peripherals including computer mice and keyboards as part of the plan. Collectors are free to set policy for establishing acceptance of non-covered products outside the Standard Plan in the interest of reuse and alternate recycling options. The Authority will work with the Department of Ecology to inform the public of alternate disposal options for other non-CEP devices. In the event that keyboards and mice are inadvertently collected and submitted to the processors as part of the Standard Plan, the Authority will cover the cost of processing, track the quantity, by weight, through the processing network and work with collectors and processors should the volume become unreasonable in proportion to covered products. The cost of handling and processing these items will be included within the negotiated rates with service providers.

### **E.2.3 Data Confidentiality**

The Authority is not responsible for the release of confidential data contained in collected CEPs. Covered entities providing CEPs to collectors will be solely responsible for all confidential data that may be stored on the CEPs returned for recycling. All authorized CEP collectors will be notified of this policy prior to commencement of collection operations. The notification will be provided in a format suitable for distribution to covered entities.

Public outreach will include information concerning the security of data on equipment turned in for recycling. Because the Standard Plan is a plan for the recycling of electronic equipment, public outreach materials will inform covered entities that their equipment may be recycled using means that render the components useless for the purpose for which they were originally designed. Data security tips will be provided in public outreach materials and at collection sites.



Some collectors and processors may resell existing equipment that is reformatted but sold “as-is” for the purpose originally intended. In these cases, information provided to the public concerning data security options and the actual or potential disposition of the CEP will be the responsibility of that collector or processor.[revised 7-2-08]

**Table E-1. Local Government Outreach and Contact Persons**  
(Organized by county, with cities and health jurisdictions in that county listed underneath)

<b>Jurisdiction</b>	<b>Contacts</b>	<b>Date of Initial Contact</b>
<b>Adams County</b>	Dixie Fultz Loren Wilkse	11/9/07
<b>Asotin County</b> Clarkston	Steve Becker Debra Schenck	11/9/07
<b>Chelan County</b>	Brenda Harn	11/9/07
Chelan-Douglas Health Department	Suzen Hyde Dave Prosch	11/9/07
<b>Benton County</b>	Keith Martin	11/9/07
Richland	Lynne Follet Kip Eagles	11/9/07
Benton-Franklin Health Department	Rick Dawson	11/9/07
<b>Clallam County</b>	Jennifer Garcelon Andy Brastad	11/9/07
Port Angeles	Helen Freilich	11/9/07
<b>Clark County</b>	Anita Largent Jim Mansfield	11/13/07
Vancouver	Rich McConaghy Tanya Gray	11/13/07
<b>Columbia County</b>	Andrew Woods Roger Trump Lisa Heinrich	11/9/07
<b>Cowlitz County</b>	Don Olson	11/9/07
Longview	Gregory Hannon	11/9/07
<b>Douglas County</b> <i>See also Chelan-Douglas Health Department under Chelan County</i>	Ron Draggo Christine Johnson	11/9/07

<b>Jurisdiction</b>	<b>Contacts</b>	<b>Date of Initial Contact</b>
<b>Ferry County</b>	Kristy Cromwell	11/9/07
Northeast Tri County Health District	James Matsuyama	11/9/07
<b>Franklin County</b> <i>See also Benton-Franklin Health Department under Benton County</i>	Sally McKenzie	11/9/07
<b>Garfield County</b>	Mallory Beale Grant Morgan	11/9/07
<b>Grant County</b>	Joan Melvin	11/9/07
<b>Grays Harbor County</b>	Kevin Varness Mark Cox	11/9/07
<b>Island County</b>	Jerry Mingo	11/9/07
<b>Jefferson County</b>	Anita Hicklin Dennis Bates Darrel Erfle Al Cairns	11/9/07
<b>King County</b>	Lisa Sepanski	12/13/07
Auburn	Kathleen Edman Sharon Hlavka	11/13/07
Bellevue	Elaine Borjeson Tom Spille	11/13/07
Bothell	Debbie Anspaugh	11/13/07
Burien	Valeria Stuart	11/13/07
Covington	Shellie Bates	11/13/07
Des Moines	Dave Steen	11/13/07
Enumclaw	Chris Searcy Vickie Forler	11/13/07
Federal Way	Rob Van Orsow	11/13/07
Issaquah	Pandora Touart	11/13/07
Kenmore	Ted Carlson	11/13/07
Kent	Gina Hungerford Robyn Bartelt	11/13/07
Kirkland	Erin Leonhart	11/13/07

<b>Jurisdiction</b>	<b>Contacts</b>	<b>Date of Initial Contact</b>
Lake Forest Park	Sarah Phillips	11/13/07
<b>King County</b> ( <i>continued</i> )		
Maple Valley	Diana Pistoll	11/13/07
Mercer Island	Glen Boettcher	11/13/07
Redmond	Stacey Breskin-Auer Jerome Jin	11/13/07
Renton	Spencer Orman Linda Knight Julie Pursell	11/13/07
Sammamish	Sarah Ninteman Mike Sauerwine	11/13/07
SeaTac	Desmond Machuca	11/13/07
Shoreline	Rika Cecil	11/13/07
Tukwila	Rebecca Fox	11/13/07
Woodinville	Amy Ensminger	11/13/07
<b>Kitsap County</b>	Dave Peters	11/9/07
Kitsap County Health Department	Jan Brower	11/9/07
<b>Kittitas County</b>	Cathy Bambrick Reno Allphin	11/9/07
<b>Klickitat County</b>	Jeff Martin John Longfellow	11/9/07
<b>Lewis County</b>	Mark Bronson	11/9/07
<b>Lincoln County</b>	Rory Wintersteen	11/9/07
<b>Mason County</b>	David Baker	11/9/07
Shelton	Tracy Farrell	11/9/07
<b>Okanogan County</b>	Sue Christopher	11/9/07
<b>Pacific County</b>	Mike DeSimone Faith Taylor-Eldred	11/9/07
<b>Pend Oreille County</b> <i>See also Northeast Tri County Health District under Ferry County</i>	Ron Curren Charles Kress	11/9/07

<b>Jurisdiction</b>	<b>Contacts</b>	<b>Date of Initial Contact</b>
<b>Pierce County</b>	Stephen Wamback	11/13/07
Tacoma	Gary Kato Bill Smith	11/13/07
<b>San Juan County</b> San Juan County Public Works	Steven Alexander Mark Tompkins	11/9/07
<b>Skagit County</b>	Frances Ambrose Kevin Renz	11/9/07
Anacortes	Marc Krueger	1/9/08
Sedro Woolley	Leo Jacobs	11/9/07
<b>Skamania County</b>	Brad Uhlig	11/9/07
Southwest Washington Health District	Bruce Scherling	11/9/07
<b>Snohomish County</b>	Hasina Wong Sego Jackson	11/13/07
Edmonds	Steve Fisher	11/13/07
Everett	Jack Harris	11/13/07
Monroe	Nancy Abell	11/13/07
<b>Spokane County</b>	Steven Holderby	11/13/07
Spokane	Monica Bramble Suzanne Tresko Scott Windsor	11/13/07
<b>Stevens County</b> <i>See also Northeast Tri County Health District under Ferry County</i>	Dennis Durbin Kim Morrow	11/9/07
<b>Thurston County</b>	Nicky Upson	11/9/07
Olympia	Ron Jones Ursula Euler	11/9/07
<b>Wahkiakum County</b>	David Riggs Pete Ringen	11/9/07
<b>Walla Walla County</b>	Barry Jenkins Sharon Baker-Johnson	11/9/07
Walla Walla	Dennis Rakestraw Jay Yonkers	11/9/07

Jurisdiction	Contacts	Date of Initial Contact
Whatcom County	Charles Sullivan Penni Lemperes	11/9/07
Whitman County	Cindi Lepper	11/9/07
Yakima County	Ted Silvestri Marci Venable Wendy Mifflin	11/9/07

**Table E-2. Collection Service Needs and Levels Provided, by County**

*[The Authority is continuing discussions with local governments, potential collectors, and others to address remaining needs that Ecology identified in the proposed collection network. Additional collection elements will be submitted under separate cover as they are established to meet requirements prior to January 2009.]*

County	County Population	Key Cities <i>(italics indicate population under 10k)</i>	City Population	Local Government and Status Notes	# of Sites Required in County	# of Sites Secured in County
Adams	17,600	<i>Othello</i>	6,340	2 sites secured in Othello and Ritzville	1	2
Asotin	21,300	<i>Clarkston</i>	7,280	Yes – 1 site secured in Clarkston	1	1
Benton	162,900	Kennewick	62,520	Yes – 1 site	3	4
		Richland	45,070	Yes – 1 site		
		West Richland	10,850	No, but West Richland within 5 miles of Richland site, 14 miles of Pasco site, and 15 miles of Kennewick site		
		<i>Other</i>	<i>n/a</i>	2 sites in Benton City and Prosser		
Chelan	71,200	Wenatchee	30,270	Yes – 2 sites	1	3
		<i>Other</i>	<i>n/a</i>	1 site in Chelan		
Clallam	68,500	Port Angeles	19,010	Yes – 1 site	1	2
		<i>Other</i>	<i>n/a</i>	1 site in Forks		
Clark	415,000	Battle Ground	16,240	Yes – 2 sites	4	23
		Camas	16,280	No, but within 7 miles of Vancouver site (Goodwill at Fisher's Landing) and 10 miles of Washougal site.		
		Vancouver	160,800	Yes – 18 sites in Vancouver (and 1 site registered in Portland)		
		Washougal	12,980	Yes – 2 sites		
		<i>Other</i>	<i>n/a</i>	1 site in Hazel Dell		
Columbia	4,100	<i>Dayton</i>	2,720	Yes – 1 site secured in Dayton	1	1

County	County Population	Key Cities <i>(italics indicate population under 10k)</i>	City Population	Local Government and Status Notes	# of Sites Required in County	# of Sites Secured in County
Cowlitz	97,800	Kelso	11,840	No, but Cowlitz County reported Longview site (within 3 miles) will provide convenient service (per phone conversation with Don Olsen, December 11, 2007).	2	1
		Longview	35,710	Yes – 1 site		
Douglas	36,300	East Wenatchee	11,480	Yes – 1 site	1	5
		<i>Other</i>	<i>n/a</i>	4 sites in Bridgeport, Mansfield, Rock Island, and Waterville		
Ferry	7,550	<i>Republic</i>	985	Yes – 1 site secured in Republic	1	1
Franklin	67,400	Pasco	50,210	Yes – 2 sites	1	2
Garfield	2,350	<i>Pomeroy</i>	1,520	No, but Garfield County reported that Clarkston site (within 30 miles of Pomeroy) will provide convenient service. (“Garfield County does believe that the electronic recycling site in Clarkston is sufficiently convenient for residents in our county,” per e-mail from Mallory Beale, December 20, 2007.)	1	0
Grant	82,500	Moses Lake	17,440	Yes – 2 sites	1	3
		<i>Other</i>	<i>n/a</i>	1 site in Ephrata		
Grays Harbor	70,800	Aberdeen	16,450	Yes – 2 sites	1	2
Island	78,400	Oak Harbor	22,690	Yes – 1 site	1	2
		<i>Other</i>	<i>n/a</i>	1 site in Freeland		
Jefferson	28,600	<i>Port Townsend</i>	8,865	Yes – 1 site in Port Townsend	1	1
King <i>(continued on next page)</i>	1,861,300	Auburn	50,470	Yes – 2 sites	23	47
		Bellevue	118,100	Yes – 4 sites		
		Bothell	32,400	Yes – 1 site		
		Burien	31,410	Yes – 2 sites		
		Covington	17,190	Yes – 1 site		
		Des Moines	29,090	No, but within 8 miles of Burien site and within 7 miles of 2 Tukwila sites		

County	County Population	Key Cities <i>(italics indicate population under 10k)</i>	City Population	Local Government and Status Notes	# of Sites Required in County	# of Sites Secured in County
King <i>(continued from previous page)</i>	1,861,300	Enumclaw	11,320	No, but within 5 miles of Buckley site, 10 miles of Bonney Lake site, and 16 miles of Covington site.		
		Federal Way	87,390	Yes – 2 sites		
		Issaquah	24,710	Yes – 1 site (also within 7 miles of Sammamish site and within 10 miles of Bellevue sites)		
		Kenmore	19,940	No, but within 6 miles of Kirkland site, 7 miles of Shoreline site, and 8 miles of Mountlake Terrace site.	23	47
		Kent	86,660	Yes – 4 sites		
		Kirkland	47,890	Yes – 4 sites		
		Lake Forest Park	12,770	No, but within 5 miles of Shoreline site and 6 miles of Mountlake Terrace site.		
		Maple Valley	20,020	Yes – 1 site		
		Mercer Island	22,380	No, but Glenn Boettcher said that there is no suitable location in Mercer Island and that sites in Seattle and Bellevue would be sufficiently convenient. (“There really isn’t anything on Mercer Island that would be very workable. But Bellevue and Seattle are just a few minutes away, so they are pretty convenient,” per e-mail from Glenn Boettcher, January 8, 2008.)		
		Redmond	50,680	Yes – 1 site		
		Renton	60,290	Yes – 2 sites		
		Sammamish	40,260	Yes – 1 site		
		SeaTac	25,530	No, but SeaTac says that the Tukwila site (within 3 miles) is reasonably convenient. (“The city does hold two recycling collection events per year where we collect electronics. The closest locations to SeaTac where they collect electronics for recycling is probably RE-PC in Tukwila or Staples in Kent,” per e-mail from Desmond Machuca, November 14, 2007.)		
		Seattle	586,200	Yes – 14 sites		
		Shoreline	53,190	Yes – 1 site		



County	County Population	Key Cities <i>(italics indicate population under 10k)</i>	City Population	Local Government and Status Notes	# of Sites Required in County	# of Sites Secured in County
King <i>(continued from previous page)</i>	1,861,300	Tukwila	18,000	Yes – 2 sites		
		Woodinville	10,390	Yes – 3 sites		
		<i>Other</i>	n/a	1 site in Ravensdale		
Kitsap	244,800	Bainbridge Island	23,080	Yes – 1 site	2	6
		Bremerton	35,810	Yes – 1 site		
		<i>Other</i>	n/a	4 sites in Kingston, Port Orchard (2), and Suquamish		
Kittitas	38,300	Ellensburg	17,220	Yes – 2 sites	1	4
		<i>Other</i>	n/a	2 site in Cle Elum and Kittitas		
Klickitat	19,900	<i>Goldendale</i>	3,715	Yes – 1 site	1	1
Lewis	74,100	Centralia	15,520	Yes – 2 sites	1	2
Lincoln	10,300	<i>Davenport</i>	1,745	Yes – 1 site in Davenport	1	1
Mason	54,600	<i>Shelton</i>	8,895	Yes – 1 site in Shelton	1	1
Okanogan	39,800	<i>Omak</i>	4,735	Yes – 1 site in Twisp	1	1
Pacific	21,600	<i>Raymond</i>	3,005	Yes – 1 site in Long Beach	1	1
Pend Oreille	12,600	<i>Newport</i>	1,990	Yes – 4 sites in Ione, Newport (2), and Usk	1	4
Pierce	790,500	Bonney Lake	15,740	Yes – 2 sites	5	30
		Lakewood	58,950	Yes – 2 sites		
		Puyallup	36,790	Yes – 6 sites		
		Tacoma	201,700	Yes – 10 sites		
		University Place	31,300	No, but within 3 miles of Tacoma site.		
		<i>Other</i>	n/a	10 sites in Anderson Island, Buckley, Fife (2) Gig Harbor (2), Graham, Lakebay, Orting, and Sumner		
San Juan	15,900	<i>Friday Harbor</i>	2,220	Yes – 1 site in Friday Harbor	1	1

County	County Population	Key Cities <i>(italics indicate population under 10k)</i>	City Population	Local Government and Status Notes	# of Sites Required in County	# of Sites Secured in County
Skagit	115,300	Anacortes	16,400	Yes – 1 site	2	5
		Mount Vernon	29,390	Yes – 3 sites		
		<i>Other</i>	<i>n/a</i>	1 site in Burlington		
Skamania	10,700	<i>Stevenson</i>	1,370	Yes – 3 sites in Stevenson, Underwood, and Washougal	1	3
Snohomish	686,300	Arlington	16,720	Yes – 2 sites	10	13
		Edmonds	40,560	No, but within 4 miles of Shoreline site and 5 miles of Lynnwood site.		
		Everett	101,800	Yes – 4 sites		
		Marysville	36,210	Yes – 2 sites		
		Lake Stevens	13,350	No, but within 10 miles of Marysville site and 15 miles of Everett site.		
		Lynnwood	35,490	Yes – 3 sites		
		Mill Creek	17,620	No, but within 3 miles of Everett site and 8 miles of Shoreline site. (Snohomish County not concerned with finding a site for Mill Creek immediately, per conversation with Sego Jackson, January 11, 2008.)		
		Monroe	16,290	Yes – 1 site		
		Mountlake Terrace	20,810	Yes – 1 site		
Spokane	451,200	Mukilteo	19,940	No, but within 2 miles of Everett site and 6 miles of Lynnwood site. (It may be difficult to find a site for Mukilteo, so perhaps a site could be found later, per conversation with Sego Jackson, January 11, 2008.)	3	16
		Cheney	10,210	Yes – 1 site		
		Spokane	202,900	Yes – 11 sites		
		Spokane Valley	88,280	Yes – 4 sites		
Stevens	43,000	<i>Colville</i>	5,020	Yes – 1 site in Colville	1	1
Thurston	238,000	Lacey	35,870	Yes – 2 sites	3	5
		Olympia	44,460	Yes – 2 sites		
		Tumwater	13,340	Yes – 1 site		
Wahkiakum	4,000	<i>Cathlamet</i>	560	Yes – 1 site in Skamokawa	1	1

County	County Population	Key Cities <i>(italics indicate population under 10k)</i>	City Population	Local Government and Status Notes	# of Sites Required in County	# of Sites Secured in County
Walla Walla	58,300	Walla Walla	30,900	Yes – 1 site	1	1
Whatcom	188,300	Bellingham	75,220	Yes – 3 sites	3	5
		Ferndale	10,540	No, but within 9 miles of Bellingham site and 12 miles of Lynden site.		
		Lynden	11,150	Yes – 2 sites		
Whitman	42,700	Pullman	26,860	Yes – 1 site	1	1
Yakima	234,200	Sunnyside	15,130	No, but within 13 miles of Granger site and 18 miles of Prosser site.	2	11
		Yakima	82,940	Yes – 7 sites		
		<i>Other</i>	<i>n/a</i>	3 sites in Granger, Selah, and Union Gap (2)		

*Population figures are from the Washington State Office of Financial Management's estimates for 2007.*

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## F. Collectors

Through the collector and local government outreach effort outlined in **Section E, Collection Services**, the Authority developed a comprehensive network of CEP collection sites in Washington State. The Authority has obtained participation forms from potential CEP collectors documenting their intent to participate as collectors under the Standard Plan and providing more information on their facilities. Figure F-1 shows the CEP collection sites in Washington cities and counties; Figure F-2 provides a more detailed view of the many collection sites located in the Puget Sound region. A project representative visited many collection sites prior to their inclusion in the Standard Plan to confirm the viability of the sites for CEP collection and to gather additional information regarding collector needs and costs requiring reimbursement. The collector outreach effort was designed to obtain participation from collectors in all 39 Washington counties and for all cities with populations greater than 10,000 residents.

As of January 31, 2008, the Authority received signed forms from 70 different collectors stating their intent to participate in the Plan. Together, these collectors identified 214 collection sites, including two in neighboring states, as well as a curbside collection program and a set of events. The 214 Washington sites are located in 106 different areas, including 95 cities and 11 unincorporated locations in Washington.

The collection network makes extensive use of existing infrastructure to provide collection services throughout the state. In the future, the Authority may also provide some collection services through arrangements for events, curbside service, or both. The collection network is designed to provide reasonably convenient collection services for residents and other covered entities in Washington.

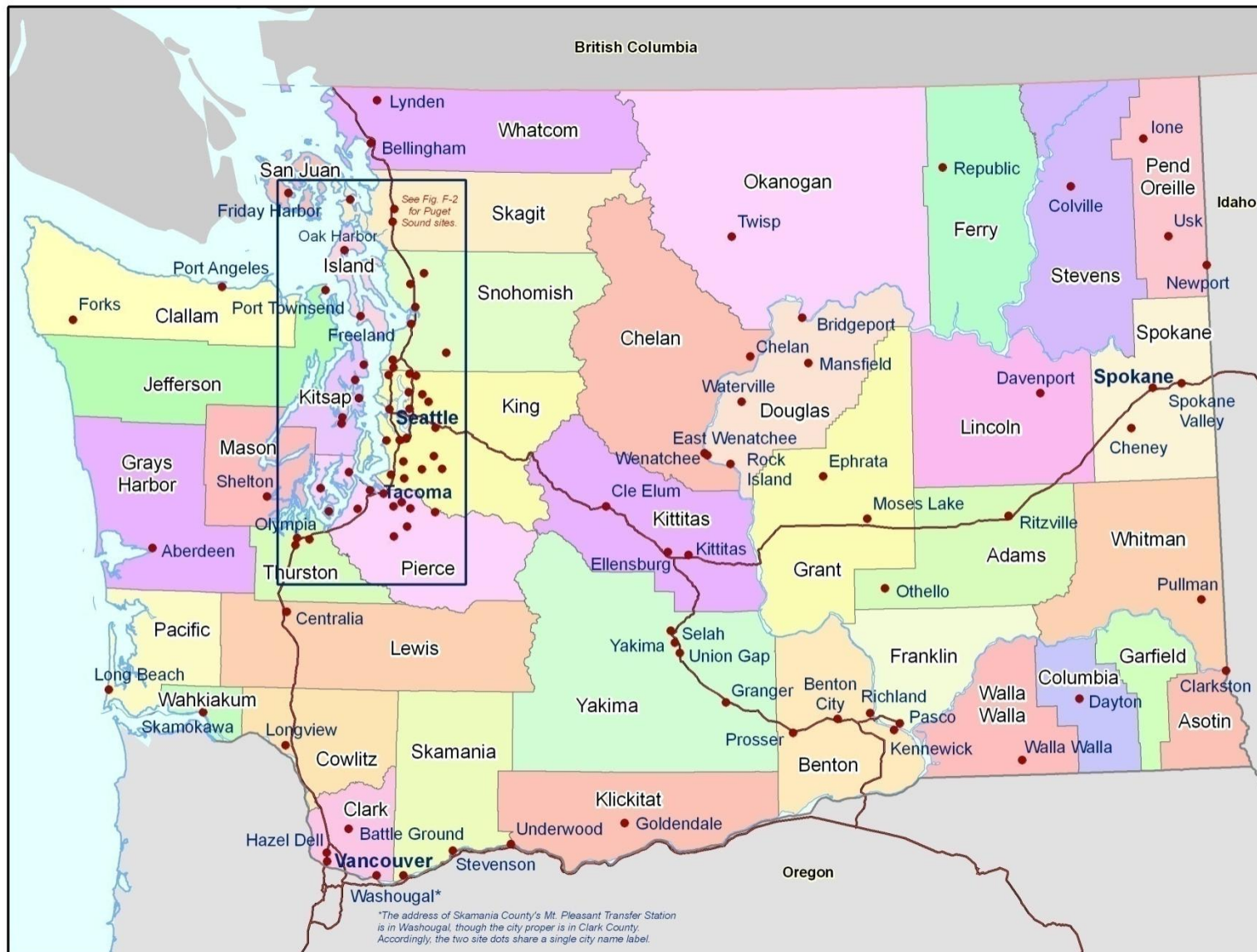
Prior to the start of CEP collection on January 1, 2009, the Authority will develop mutually agreeable arrangements with collectors in its network and will negotiate and finalize operational and financial arrangements on a case-by-case basis (see also **Section O, Fair Compensation**). These negotiations will occur throughout 2008, and collector agreements will be finalized in time for the Standard Plan to be implemented and fully operational by January 1, 2009. All collectors must be registered with Ecology prior to operating as a collector on behalf of the Authority.

Additional collectors seeking to join the Standard Plan may submit a participation form to the Authority at any time. The Authority may negotiate additional agreements and add to the collector network as needed. The Authority plans to post the list of collection sites on its website at the start of operations and to update it regularly. The Authority will also inform Ecology of changes in the collection network. Additions or deletions in the collector network will be communicated to Ecology within one week of the change. Updates to website information referencing site locations or hours will be made within two weeks of the change.

Addition of collection sites or services without eliminating or changing existing services is considered a non-significant revision to the Standard Plan, which does not require Ecology approval (WAC 173-900-335, Table 335). Changes to the level of service that the Plan provides, other than additional services, are considered significant revisions and require submission to

Ecology for approval. The notifications described above will be provided for all significant and non-significant changes within the collector network.

In accordance with WAC 173-900-355, the Authority will also accept CEPs from other collectors listed on Ecology's collector registration list as in "in compliance" status. To be considered in compliance, the collector must be registered with Ecology and meet the performance standards listed at WAC 173-900-450. The Authority will compensate these collectors for the reasonable costs associated with CEP collection, as determined on a case-by-case basis (see also **Section O, Fair Compensation**).

**Figure F-1. Washington Cities with Standard Plan Collection (214 locations as of January 31, 2008)**



**Figure F-2. Collection Sites in the Puget Sound Region (detail)**



Table F-1 provides information on the collectors and collection sites required by WAC 173-900-320(7), including the name of the collector, its Electronic Product Registration (EPR) number issued by Ecology (if available), location and phone number for each collection site, days and hours of operations, and types of electronic products accepted. The list is organized by county, followed by collector name. Collectors can enter or leave the Plan at any time, so this portion of the Plan will evolve over the time. The Authority will make revisions as necessary to reflect changes in the collector network and to ensure that all covered entities will continue to have reasonably convenient collection services in their local areas.

Copies of the participation forms that collectors submitted for the collection sites listed in the Plan, as submitted to Ecology by January 31, 2008, are included in this section following Table F-1. Note that some collectors provided incomplete information on their forms; the Authority will follow up with collectors during 2008 to complete the registration process prior to the start of collection on January 1, 2009.

**Table F-1. Collectors and Collection Sites Indicating Intent to Participate in Standard Plan (214 sites as of January 31, 2008)**

County	Collector Name	EPR#	Site Name	Street Address	City	Zip	Phone	Days and Hours	TVs	Monitors	Desktops	Laptops
<p>Note: As of the January 1, 2009, launch date of the E-Cycle Washington program, Ecology has made available a searchable database for public access to collection site information. Go to <a href="http://www.ecyclewashington.org">http://www.ecyclewashington.org</a> and click on the “Where do I recycle?” link on the right-hand side. You will be able to search for electronics recyclers in any county in Washington. Sites offering free recycling of computers, monitors, and TVs have the E-Cycle Washington green logo next to their name (see below).</p> <div data-bbox="877 719 1094 797"> </div> <p>If you do not have internet access, call toll-free (1-800-RECYCLE) to find collection sites in your area.</p>												

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## G. Transporters

Under the Standard Plan, transporters will pick up CEPs from collection sites and deliver the CEPs to processors or other locations for further transportation. Transporters may also collect CEPs from other sites, such as covered entities with large quantities (e.g., schools), or from interim locations in the transportation network, such as consolidation centers. Entities or persons that self-haul unwanted electronic products that they own, however, are not considered transporters under the Standard Plan.

Under the Standard Plan, the Authority will contract for and manage transportation services. As of January 29, 2008, the Authority has received contracts from several companies that it may use to provide transportation services. The Authority expects to supplement its roster with additional transporters registered with Ecology. Transporters are shown in Table G-1, and this list may be updated over time.

The Authority or its designee may contract with additional transporters in the future, and multiple transporters may be used for different services and locations. Solid waste collection companies, operating under G-certificates issued by the Washington Utilities and Transportation Commission (WUTC), may be included among these transporters; such certificated haulers may also offer curbside collection services for CEPs. The Authority may choose to contract with certificated haulers for collection, transportation, or both. The Authority will compensate transporters for the reasonable costs associated with transporting unwanted CEPs (see also **Section O, Fair Compensation**).

The Authority will only contract with transporters that are in “in compliance” status on Ecology’s Electronic Products Recycling Program transporter registration list. To be “in compliance,” the transporter must be registered with Ecology and meet the performance standards listed at WAC 173-900-550. If the Authority seeks to add a transporter to its system, the transporter will be referred to Ecology for registration.

**Table G-1. Transporter Summary**

Transporter Name	EPR #	Jurisdictions Served	CEP Types Transported
An up-to-date list of transporters for the Standard Plan has been made available by Ecology at <a href="https://fortress.wa.gov/ecy/epr/EPRtransporter.aspx">https://fortress.wa.gov/ecy/epr/EPRtransporter.aspx</a> .			

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## **H. Direct Processors**

### **H.1 Direct Processors**

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Information about Direct Processors, their environmental audit reports and contracts associated with the E-Cycle Washington program can be seen by clicking on the link below.

[E-Cycle Washington Direct Processors](#)

## **I. Direct Processor Compliance Audit Reports**

### **I.1 Processor Audit Requirements**

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Information about Direct Processors, their environmental audit reports and contracts associated with the E-Cycle Washington program can be seen by clicking on the link below.

[E-Cycle Washington Direct Processors](#)





## J. Design for Recycling

The Authority and its Members will collaborate with processors used by the Standard Plan to promote and encourage the design of electronic products that are more easily recycled and contain fewer sensitive materials. Design for Recycling (DfR) can involve both incorporating recycled materials into new products during the manufacturing process as well as fostering recycling of products when they reach the end of their useful lives. The latter, end-of-life issues tend to receive more emphasis in DfR efforts. Design for Recycling, along with related strategies such as Design for Disassembly and Design for Environment (DfE), can be a valuable tool for increasing recycling and reuse of electronic products and addressing challenges associated with end-of-life management of electronic waste or scrap materials.

Currently, the U.S. Environmental Protection Agency is working to foster information exchange among designers, manufacturers, and recyclers of electronic products. The diversity of manufacturers, numerous and ever-changing products on the market, proprietary information, and the lag time between production and disposal can make it difficult to develop coordinated strategies that support recycling. The USEPA's project has begun to identify relevant current activities and design practices that may pose challenges for recyclers. The project aims to create a web-based information source to share useful product information, including the location within the product of any sensitive materials, with recyclers and others.

The Electronic Product Environmental Assessment Tool (EPEAT) is designed to help potential buyers compare environmental attributes and choose among desktop computers, laptops, and monitors. EPEAT currently covers 51 criteria in eight major categories: 1) reduction and elimination of environmentally sensitive materials; 2) materials selection; 3) design for end of life; 4) product longevity and lifecycle extension; 5) energy conservation; 6) end-of-life management; 7) corporate performance; and 8) packaging. Several of these criteria relate to DfR, and the Authority may seek to collaborate with EPEAT on its efforts where appropriate.

The Authority believes that the current EPA project, along with EPEAT, offers an opportunity to support DfR/DfE efforts. The Authority will track the progress of this effort and seek ways to advance the project's goals, which may include providing information to the web resource and participating in the E-Scrap Conference symposium on electronics design and recycling.

To support and promote these efforts, the Authority plans to form a Roundtable of electronics manufacturers and recyclers/processors to share information that fosters the recycling of CEPs. The Authority anticipates that this Roundtable will include manufacturer representatives from the Authority's Board, other interested manufacturers, and the direct processors contracted to handle materials collected under the Standard Plan in Washington. Other parties, including industry experts, agency staff, or nongovernmental organizations, may also be included at the discretion of the Authority.

The Roundtable will convene to identify and seek to address barriers to and opportunities for increased recycling of electronic products in Washington State. Authority members anticipate increased emphasis on environmental design topics in the future, and the Authority remains committed to progress in this important area. The establishment of this Roundtable, including

potential members and timetables, will be placed for discussion on the agenda for the Authority's regular board meeting in July 2008.

## **K. Direct Processor Contract Face Sheet**

Information about Direct Processors, their environmental audit reports and contracts associated with the E-Cycle Washington program can be seen by clicking on the link below.

[E-Cycle Washington Direct Processors](#)

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## **L. Recordkeeping**

The Authority will ensure the development and maintenance of all records necessary to demonstrate compliance with the requirements of Chapter 173-900 of the Washington Administrative Code.

The Authority will track pounds of CEPs collected and processed through its contracts with direct processors that require processors to submit and certify records of CEPs collected and processed. This information will form the basis for tracking the Equivalent Share of Standard Plan Members and the Standard Plan as a whole. The Authority may audit the records of any direct processor providing processing services to verify the accuracy of certified records submitted to the Authority.

The Authority will maintain its public records in accordance with applicable state law, after which time the records may be disposed of in a manner that safeguards their confidential nature. By September 1 of each year, Standard Plan Members will be required to provide a certified report to the Authority stating the amount of pounds of CEPs sold into Washington during July 1 through June 30 of the preceding year. The Authority will be responsible for retaining these records, along with manufacturer invoices and payment records. The Authority will also keep records related to the collection, transport, and processing activities of CEPs under the Standard Plan. The Authority will use these and other data in preparing annual reports for submission to the Department of Ecology as specified in WAC 173-900-800.

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## M. Implementation Timeline

Key milestones for implementing the Standard Plan in order to begin collection of CEPs by January 1, 2009, include the following activities shown in Table M-1.

**Table M-1. Implementation Timeline**

Date	Milestone
August 1, 2007	Ecology issues final return shares.
December 20, 2007	Distribute Processor contracts.
December 20, 2007	Distribute Transporter contracts.
January 1, 2008	Manufacturers must declare Plan.
February 1, 2008	Standard Plan and other CEP recycling plans due to Ecology.
April 10, 2008	Authority holds Manufacturers' Forum on Standard Plan financing.
April 22, 2008	Authority issues start-up invoices.
June 2008	Anticipated Ecology decision on Standard Plan approval.
Throughout 2008	Negotiate agreements with collectors, transporters, and direct processors and prepare for public outreach campaign, including website development.
July 2008	Authority issues request for reports on pounds of CEPs sold for period from July 1, 2007, through June 30, 2008.
Summer/Fall 2008	Authority prepares operating plan addressing financing, reserve requirements, service standards and operating procedures for service providers. Authority to hold Public Hearing on General Operating Plan.
September 1, 2008	Members report on pounds of CEPs sold during period from July 1, 2007, through June 30, 2008.
October 2008	Authority issues invoices per plan.
Late 2008	Initiate pilot CEP collection at test sites (optional).
December 2008	Authority issues invoices and conducts media relations for launch of collection.

<b>Date</b>	<b>Milestone</b>
January 1, 2009	Statewide collection of CEPs begins.
March 2009	Authority issues invoices.
June 30, 2009	Authority repays initial \$500,000 loan from the Department of Ecology.



## **N. Public Outreach and Marketing Requirements**

This section outlines the Standard Plan's public outreach and marketing strategy, which is designed to inform the public and other covered entities about where and how to reuse and recycle their CEPs at the end of the product's life, as specified in WAC 173-900-980. In keeping with the regulatory requirements, this section outlines the methods that must be used to inform the public about CEP reuse and recycling and describes how the Plan will ensure outreach throughout Washington State.

### **N.1 Outreach Requirements and Strategy**

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In 2006, Washington State passed its Electronic Products Recycling Law (WAC 173-900), which requires manufacturers to provide CEP recycling opportunities for covered entities at no cost, beginning January 1, 2009. One of the requirements under the new law (WAC 173-900-980) is for the Authority to ensure statewide public outreach and marketing to let consumers and other covered entities know how and where they can recycle their CEPs at no cost.

Under these public outreach and marketing requirements, the CEP recycling plans, including the Standard Plan, must:

- Inform covered entities about where and how to reuse and recycle their CEPs at the end of the product's life;
- Include a website or a toll-free number that gives information about the recycling program in sufficient detail to educate covered entities regarding how to return their CEPs for recycling;
- Describe the method or methods used to provide outreach to covered entities; and
- Ensure outreach throughout the state.

State law also requires collaboration among all parties in the development and implementation of the public information campaign. Coordination is required of State government, Standard Plan manufacturers, independent plan manufacturers, retailers, local governments, and collection services and sites.

The following plan outlines strategies that the Authority may use to fulfill these outreach requirements.

## **N.2 Outreach Methods**

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### **N.2.1 Coordinate Communication**

The Authority will participate in Ecology's Electronic Product Recycling Public Outreach Workgroup in order to coordinate its public information campaign with all parties and ensure that a statewide audience is effectively reached with the message. Coordination of communication activities and the role of each member of the outreach group are being developed and are ongoing. The Authority will take an active role in developing content and format of outreach media and collaborating with group members as plans and implementation strategies are agreed upon by the workgroup. In particular:

- Updates on changes in the collection network will be communicated, and web and phone information will be updated within two weeks of any changes.
- Creation of camera-ready designs, including posters, signage, and the like will be discussed within the workgroup, with rollout of approved design and media scheduled for late 2008. Posters and handout materials, with content and artwork contributed by workgroup collaboration, will be provided to collectors and others in a position to educate covered entities. Although the plan will collaborate with all stakeholders, the Authority will not cover the costs of materials for retailers unless agreed upon in writing. Volumes and distribution costs must be "reasonable" in proportion to costs covered by other stakeholders for purposes of promoting electronic product recycling (EPR).
- The Authority will create informational materials, a media kit, a launch event, media events specific to the Standard Plan operations, and outreach and media relations on an ongoing basis throughout plan implementation and the first quarter of 2009. Outreach plans will be adjusted as necessary and as agreed with the outreach workgroup

### **N.2.2 Create Authority Website**

The Authority's website has been changed to allow easier use and navigation by consumers and the public. The Authority's website will also link to the Department of Ecology's electronics recycling website so residents and other covered entities can obtain additional information maintained by Ecology pertinent to the statewide EPR. The Authority's website will be updated regularly to add new locations (unless the location database is linked to Ecology) and update information required by the Standard Plan. Updates to remove locations or make substantive changes to provide accurate information to residents will be handled within two weeks of notice and verification of proposed or required change.

### **N.2.3 Other Potential Outreach Methods**

Through participation in Ecology's Electronic Product Recycling Public Outreach Workgroup, the Authority will determine which specific outreach methods are needed to meet Washington's marketing and public outreach requirements. Other strategies include communications via an Authority-staffed intrastate toll-free phone line, updated website with frequently asked questions (FAQs), and "info" e-mail addresses. The Authority will focus education for covered entities on obtaining current information by phone, e-mail, or website to avoid waste through publication of paper media that would require frequent updates.

The Authority's website allows for frequent updating of information, including changes related to collection sites and services. The Authority will publish such changes on its website within two weeks of notice and verification of proposed or required changes as reported to the Authority (including locations, hours, and pertinent information concerning collection and recycling).

#### **Media Relations Campaign**

Because Washington's electronics recycling program is among the most ambitious in the nation and electronics recycling is such a newsworthy topic, the Authority anticipates a great deal of media interest in the launch of collection services. That interest may allow all parties to use media relations to inform Washington residents about how and where to recycle CEPs. The activities below represent potential media relations activities, to be evaluated by the Authority prior to execution:

- Conduct outreach to print and broadcast media statewide.
- Send news releases to print and electronic media in Washington prior to the start of collection, potentially offering interviews with Authority spokespeople to local media.
- Offer articles to community/weekly newspapers for stories to run near the start of the collection program. Local spokespeople from collectors, haulers, processors, or local governments might also be identified, to provide a local angle in those communities.
- Offer articles or news releases to relevant trade journals such as *e-scrapnews*, small-business publications in Washington, and other publications as identified.
- Proactive outreach at major program milestones, such as, for example, at one million pounds collected.
- Respond to statewide media requests after program launch.

## Media Kit

The Authority will participate in the public outreach workgroup to help coordinate and develop outreach materials for electronic product recycling in Washington State. In addition to materials developed to promote electronics recycling in general, the Authority will also create a media kit specific to its operations and the implementation of the Standard Plan, including the following materials.

- News release;
- Stock article;
- Fact sheet and frequently asked questions about the Authority's recycling program; and
- Stock graphics, such as a map of recycling locations, a map of locations customized by city and/or county, and Ecology-produced artwork for retailers.

## Direct Mailings to Other Covered Entities

Although communication methods such as media relations may reach all audiences (including school districts, small businesses, charities, and small governments), the Authority may also evaluate sending a direct mailing to those audiences representing other covered entities to announce the new collection program.

## Retailer Outreach

The Authority will work with retailers and Ecology to develop media materials that broaden the reach of the public outreach campaign.

## Public Polling

The Authority may wish to explore surveying covered entities to measure their awareness of and satisfaction with the collection program.

## Standardized Signage for Collection Sites

The Authority and the Electronic Product Recycling Public Outreach Workgroup will jointly develop standardized signage for handouts, and other materials. Posters and handout materials, with content and artwork contributed by workgroup collaboration, will be provided to collectors and others in a position to educate covered entities.

Information included on outreach materials will include these listed items, and may include local information unique to a particular site, such as hours, CEPs collected, limits on maximum CEPs collected per day and per consumer, and how to arrange a larger drop-off for a covered entity, among other pertinent information as discovered.

- 1-800 toll-free phone number for obtaining additional information;
- Locations (potentially tailored by geographic region);
- What happens to recycled CEPs;
- Website address;
- E-mail address;
- CEP types accepted; and
- Products not accepted and alternative sites for collection of non-CEPs.

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## O. Fair Compensation

Compensation for specific services will be determined based on a number of different factors, such as the labor, equipment, and expertise required to perform a service. Compensation policies for collectors, transporters, and processors are described in the following sections. For collectors, all eligible collectors may participate in the program, with compensation determined in relation to their actual costs of collection. For transporters and processors, the Authority will determine which service providers to use based on the level and quality of services offered, the competitiveness of the submitted rates, and the overall best value to the Authority. Rather than establishing a flat rate of compensation, this policy allows potential vendors flexibility in submitting their rates and compensation requests to the Authority, and it also allows the Authority to manage its operations in a cost-effective manner.

The Authority will provide payment to service providers within 60 days after receipt of properly completed invoices.

### O.1 Collectors

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Registered collectors, depending on the types of CEPs collected and their location's convenience to covered entities, should be able to operate at rates comparable with other collectors with similar characteristics. Fairness to the Authority and to the collector is heavily dependent upon volume. For example, a collector that chooses to accept only laptops and computers (no TVs or monitors); receives 200 pounds of CEPs a day; is staffed with one employee for 10 hours per day; and incurs rent and utility expense of \$30 per day would realize fixed costs of approximately \$130 per day. The amount required to cover expenses at this collection level would equal \$0.65 per pound. If the collector expanded operations to accept all CEPs; relocated to a more visible area (assuming effective public outreach); and received 1,200 pounds per day, fixed expenses would be covered at only \$0.11 per pound.

The Authority will seek to establish compensation rates with collectors, taking into account the goals of the CEP collection program and the real costs to collectors to support and promote efficient and cost-effective service to the Authority. Based on the different cost components of each collector's operation, the Authority anticipates, with some exceptions, a range of rates between \$0.02 and \$0.12 per pound of CEPs collected. Collectors that are also registered as transporters may perform combined services, as long as they are registered in both categories with Ecology. Combined services will benefit both the environment (with fewer empty miles) and the Authority (lower cost through greater efficiency), while yielding increased revenues for a collector/transporter's business.

A collector may seek additional compensation from the Authority to cover all reasonable costs directly related to such collection of CEPs. The Authority encourages all collectors to combine CEP collection with other activities to reduce the burden borne by collectors and to promote efficient collection operations. The Authority will compensate collectors for the additional costs associated with curbside services only if the service provider receives the Authority's prior written authorization.

The Authority will not allow collectors that have stockpiled discarded equipment prior to the January 1, 2009, start date of this program to discard their stockpile into the Authority's collection program and seek a "windfall" payment for stockpiled volumes. Defining stockpiling is difficult, as small businesses, school districts, and small governments may tender volumes that appear to represent stockpiling. The Authority may request a collector to ask for "contact" information including an address and/or phone number of any entities tendering more than 10 CEPs at a time. The Authority, at its discretion, will contact these entities for verification that the devices were not stockpiled.

## O.2 Transporters

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Transportation services will be classified within one of the following categories:

- Short-haul Less than Truck Load (LTL): generally within the state;
- Short-haul Truck Load (TL): generally within the state;
- Long-Haul Truck Load: typically across state lines; and
- Independent or Private Carrier (dedicated service).

A competitive marketplace for transportation services currently exists within Washington State. The Authority will seek published rates with several Washington-based intrastate carriers that register with Ecology. The Authority will also seek scheduled, discounted, and "spot" rates with truck-load carriers (and brokers representing intrastate and interstate short- and long-haul carriers) that register. Transporter rates will be established according to published rates prior to a haul or based upon "quoted" rates deemed reasonable at the time of the pick-up, considering such factors as hauling distance, CEP load volumes, and specific load requirements.

The Authority anticipates a dynamic transporter network of independent, intrastate, and interstate carriers. The Authority will establish the range in rates per pound for transportation of CEPs after registered processor locations and the volumes to be transported to such locations are known and the Authority develops a reliable rate history.

## O.3 Processors

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The Authority will work with Washington based companies whenever possible to promote business within the state and to avoid the additional costs associated with transporting CEPs out of state. Processors that contract with the Authority must register with Ecology and submit rates for their services, regardless of their location. The Authority will select processors for services based on the quality of the service provided, the competitiveness of the rates charged, the proximity to the available volume(s) of CEPs, and the overall value of the services to the Authority. (Again, registration is mandatory for all processors that provide services to the Authority.)



## Appendix 1. Definitions of Key Terms

*The definitions of terms used in the Standard Plan are consistent with those specified in Chapter 173-900 of the Washington Administrative Code (WAC).*

**Authority** – The Washington Materials Management and Financing Authority.

**Authority Costs** – The costs of administration, management, and implementation of the Standard Plan, including the costs of collecting, transporting, and processing covered electronic products (CEPs).

**Board** – The Board of Directors of the Washington Materials Management and Financing Authority.

**CEP** – See *Covered electronic product*.

**Collection site** – A location for collecting CEPs. Sites must be staffed during operating hours; open to the public at a frequency adequate to meet the needs of the area being served; and open regularly scheduled hours and on an ongoing basis. Collection sites may include electronics recyclers and repair shops, recyclers of other commodities, reuse organizations, charities, retailers, government recycling sites, or other suitable locations.

**Collector** – An entity that is licensed to do business in Washington State and that gathers unwanted covered electronic products from households, small businesses, school districts, small governments, and charities for the purpose of recycling and meets the registration and collector performance standard requirements in Part IV, WAC 173-900-400 through 173-900-490. Collectors may manage one or more collection sites.

**Covered electronic product (CEP)** – Includes any one of the following four types of products that has been used in Washington State by any covered entity, regardless of original point of purchase:

- a) Any monitor having a viewable area greater than four inches when measured diagonally;
- b) A desktop computer;
- c) A laptop or a portable computer; or
- d) Any video display device having a viewable area greater than four inches when measured diagonally.

Covered electronic product does *not* include:

- a) A motor vehicle or replacement parts for use in motor vehicles or aircraft, or any computer, computer monitor, or television that is contained within, and is not separate from, the motor vehicle or aircraft;
- b) Monitoring and control instruments or systems;
- c) Medical devices;
- d) Products including materials intended for use as ingredients in those products as defined in the federal Food, Drug, and Cosmetic Act (21 U.S.C. Sec. 301 et seq.) or the Virus-Serum-Toxin Act of 1913 (21 U.S.C. Sec. 151 et seq.), and regulations issued under those acts;

- e) Equipment used in the delivery of patient care in a health care setting;
- f) A computer, computer monitor, or television that is contained within a clothes washer, clothes dryer, refrigerator, refrigerator and freezer, microwave oven, conventional oven or range, dishwasher, room air conditioner, dehumidifier, or air purifier; automatic teller machines, vending machines or similar business transaction machines; or
- g) Hand-held portable voice or data devices used for commercial mobile services as defined in 47 U.S.C. Sec. 332 (d)(1).

**Covered entity** – Any household, charity, school district, small business, or small government located in Washington State.

**Direct processor** – A processor contracted with a CEP recycling plan to provide processing services for the plan. See *Processor*.

**Ecology** – The Washington State Department of Ecology.

**Equivalent Share** – The respective obligation, in pounds, of a Standard Plan Member. Section B.3.5, *Member Percentage of Authority Cost Responsibility*, describes the calculations of the percentage of responsibility for a given member. The Equivalent Share will be calculated by applying this percentage of responsibility to the total Standard Plan performance level established by the Authority on an annual basis. The Equivalent Share generally applies only to Operational Costs and will be based upon CEP gross pounds (weight).

**Flex Participant** – A member manufacturer in the Standard Plan that meets certain qualifications to collect and process CEPs using its own resources separate from those of the Authority. Flex Participants operating individually or within a group that comprises at least two percent (2%) Equivalent Share can choose to operate and pay for their own collection and recycling services under their Flex Plan. Flex Participants remain under the umbrella of the Standard Plan and may receive credit under the Standard Plan for CEPs that they collect and process. Flex Plans must satisfy their Equivalent Share of Operating Costs (pounds processed) through their own operations, or they must purchase pounds from the Standard Plan to reconcile any shortfalls in performance as compared to their Equivalent Share of Operating Costs.

A **Flex Plan** is a sub-plan that exists inside of the Standard Plan. Flex Plans allow Flex Participants to provide their own operations for collecting of CEP's with processing of covered electronic products (CEPs) through processors approved within the standard plan as a way to meet their operating obligations to the Authority. *[revised 6-30-08]*

**General Participant** – A member manufacturer participating in the collective portion of the Standard Plan, rather than a Flex Plan within the Standard Plan.

**Independent Plan** – A plan for the collection, transportation, processing, and recycling of unwanted covered electronic products that is developed, implemented, and financed by an individual manufacturer or by an authorized party.

**Manufacturer** – The person who:

- a) Has legal ownership of the brand, brand-name, or cobrand of covered electronic products sold in or into Washington state;
- b) Imports an electronic product branded by a manufacturer that meets (a) of this definition and that manufacturer has no physical presence in the United States of America; or
- c) Sells at retail a covered electronic product acquired from an importer that is the manufacturer as described in (b) of this definition and elects to register in lieu of the importer.

**Market share** – A percentage of covered electronic products sold in Washington State representing the manufacturer's share of all covered electronic products sold in Washington State assigned to a registered manufacturer based on the calculations in WAC 173-900-280.

**Member fee** – A fee assessment paid by a member of the Standard Plan to cover Authority Costs.

**Member manufacturer** – See *Standard Plan Member*.

**Member share** – A percentage, based on a combination of market share and return share, representing the member's share of the responsibility for covering Authority Costs.

**Participant** – A member manufacturer in the Standard Plan. May be either a *General Participant* or *Flex Participant*.

**Plan** – A CEP recycling plan. Typically used herein to refer to the Standard Plan.

**Processor** – An entity engaged in disassembling, dismantling, or shredding electronic products to recover materials contained in the electronic products and preparing those materials for reclaiming or reuse in new products in accordance with processing standards established in WAC 173-900; and that may salvage CEPs, components, and parts to be used in new products.

**Return share** – The percentage of covered electronic products, by weight, identified for an individual manufacturer, as determined by the Department of Ecology.

**Standard Plan** – The plan for the collection, transportation, processing and recycling of unwanted covered electronic products developed, implemented, and financed by the Washington Materials Management and Financing Authority on behalf of manufacturers participating in the Authority.

**Standard Plan Member** – Any manufacturer selling, or offering for sale, CEPs in the State of Washington that has not obtained approval from Ecology to participate in an independent plan. According to RCW 70.95N.030 and WAC 173-900-305, all manufacturers are required to participate in the Authority's Standard Plan, unless otherwise approved by Ecology. Manufacturers in the Authority's Standard Plan are members of the Authority and are referred to as Standard Plan Members (or Members). Members are responsible for financing the costs of the

Authority and the implementation of its Standard Plan. There are two types of Standard Plan Members: *General Participants* and *Flex Participants* in the Standard Plan. All manufacturers in the Standard Plan are also referred to as *Members*.

**Tiers** – Categories of manufactures, based on market share, determined by Ecology for the purpose of establishing a fee schedule to apportion administrative fees charged by Ecology on a sliding scale.

**Transporter** – An entity that transports covered electronic products from collection sites or services to processors or other locations for the purpose of recycling, but does not include any entity or person that hauls their own unwanted electronic products.